

33078

FINAL
PHASE III RI

VOLUME IV
APPENDICES H-1 THROUGH H-4

DRAKE CHEMICAL SITE
LOCK HAVEN, PENNSYLVANIA

AUGUST 1988
W.A. NO. 123-3L31

AR302589

AUGUST 1988

FINAL

PHASE III RI

VOLUME IV
APPENDICES H-1 THROUGH H-4

DRAKE CHEMICAL SITE
LOCK HAVEN, PENNSYLVANIA

EPA WORK ASSIGNMENT NUMBER 123-3L31
UNDER
CONTRACT NUMBER 68-01-7250

PREPARED BY:
NUS CORPORATION
PITTSBURGH, PENNSYLVANIA

APPROVED BY:
EBASCO SERVICES INCORPORATED
LANGHORNE, PENNSYLVANIA

PREPARED BY:

Dennis Smith
DENNIS SMITH
SITE MANAGER
NUS CORPORATION

APPROVED BY:

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RICHARD C EVANS, P.E.
REGIONAL MANAGER, REGION III
EBASCO SERVICES INCORPORATED

AR302590

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APPENDIX H-1

SURFACE WATERS

AR302592

DRAKE CHEMICAL SITE PHASE III R. SURFACE WATERS

SAMPLE NUMBER:

TRAFFIC REPORT NUMBER:

FRACTION OF SOLIDS:

DILUTION FACTOR:

DESCRIPTION:

UNITS:

DATE SAMPLED:

DC-SW1-101 IC-SW10-110 DC-SW10-110RE DC-SW11-111 IC-SW11-111RE DC-SW12-112 IC-SW12-112RE

CQ387 CQ363 CQ363RE CQ364 CQ364RE CQ365 CQ365RE

DL = 1.00 DL = 1.00 DL = 1.00 DL = 1.00

UG/L UG/L UG/L UG/L

10/28/87 10/27/87 10/27/87 10/27/87

10/27/87 10/27/87 10/27/87 10/27/87

*** VOLATILES ***

PP CAS NO COMPOUND

67-64-1		ACETONE	ND	B 7B	ND	B 39B	ND	B 37B	ND
78-93-3		2-BUTANONE	R	R	R	R	R	R	R
96V	108-88-3	TOLUENE	ND	B 2J	ND	B 2J	ND	B 2J	ND
10V	75-34-3	1,1-DICHLOROETHANE	ND	ND	ND	ND	ND	ND	ND
16V	75-00-3	CHLOROETHANE	ND	UJ	ND	UJ	ND	UJ	ND
44V	75-09-2	METHYLENE CHLORIDE	ND	ND	B 4B	ND	ND	ND	ND

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AR302593

DRAKE CHEMICAL SITE PHASE 111 RI - SURFACE WATERS

SAMPLE NUMBER:	DC-SW1-101 CQ387	DC-SW10-110 CQ363	DC-SW10-110RE CQ363RE	DC-SW11-111 CQ364	DC-SW11-111RE CQ364RE	DC-SW12-112 CQ365	DC-SW12-112RE CQ365RE
TRAFFIC REPORT NUMBER:							
FRACTION OF SOLIDS:							
DIUCTION FACTOR:	DL = 2.0	DL = 2.0	DL = 2.0	DL = 2.0	DL = 3.33	DL = 2.0	DL = 2.00
DESCRIPTION:							
UNITS:	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
DATE SAMPLED:	10/28/87	10/27/87	10/27/87	10/27/87	10/27/87	10/27/87	10/27/87
*** BASE/NEUTRALS ***							
PP	CAS NO	COMPOUND					
66B	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	UJ	ND	ND	ND	ND
67B	85-68-7	BUTYL BENZYL PHTHALATE	UJ	ND	ND	ND	ND
55B	91-20-3	NAPHTHALENE	ND	ND	ND	ND	ND
20B	91-58-7	2-CHLORONAPHTHALENE	ND	ND	ND	ND	ND
84B	129-00-0	PYRENE	ND	ND	ND	ND	ND
56B	98-95-3	NITROBENZENE	ND	ND	UJ	ND	ND
35B	121-14-2	2,4-DINITROTOLUENE	ND	ND	UJ	ND	ND
63B	621-64-7	N-NITROSODI PROPYLAMINE	UJ	ND	ND	ND	ND
	88-74-4	2-NITROANILINE	UJ	ND	ND	ND	ND
	100-01-6	4-NITROANILINE	ND	ND	ND	ND	ND
	106-47-8	4-CHLOROANILINE	UJ	ND	ND	ND	UJ
1BB	111-44-4	BIS(2-CHLOROETHYL)ETHER	ND	ND	UJ	ND	ND
42B	3963B-32-9	BIS(2-CHLOROISOPROPYL)ETHER	UJ	ND	UJ	ND	ND
53B	77-47-4	HEXACHLOROCYCLOPENTADIENE	UJ	ND	UJ	ND	ND
5B	92-87-5	BENZIDINE	ND	ND	ND	ND	ND
28B	91-94-1	3,3'-DICHLOROBENZIDINE	ND	ND	UJ	ND	ND
	65-85-0	BENZOIC ACID	ND	ND	ND	ND	UJ
	100-51-6	BENZYL ALCOHOL	ND	ND	UJ	ND	ND
43B	111-91-1	BIS(2-CHLOROETHoxy)METHANE	ND	ND	UJ	ND	ND

DRAKE CHEMICAL SITE PHASE III RI - SURFACE WATERS

*** ACIDS ***			*** ACIDS ***		
PP	CAS NO	COMPOUND	PP	CAS NO	COMPOUND
65A	108-95-2	PHENOL	ND	R	R
95-48-7	2-METHYLPHENOL	ND	R	R	R
106-44-5	4-METHYLPHENOL	UJ	R	R	R
34A	105-67-9	2,4-DIMETHYLPHENOL	90	R	R
24A	95-57-8	2-CHLOROPHENOL	ND	R	R
31A	120-33-2	2,4-DICHLOROPHENOL	ND	R	R
95-95-4	2,4,5-TRICHLOROPHENOL	5J	R	R	R
21A	88-06-2	2,4,6-TRICHLOROPHENOL	11J	R	R
64A	87-86-5	PENTACHLOROPHENOL	ND	R	R
22A	59-50-7	4-CHLORO-3-METHYLPHENOL	ND	R	R
57A	88-75-5	2-NITROPHENOL	ND	R	R
58A	100-02-7	4-NITROPHENOL	ND	R	R
59A	51-28-5	2,4-DINITROPHENOL	UJ	R	R
60A	5134-52-1	4,6-DINITRO-2-METHYLPHENOL	ND	R	R

ACIDS 88

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AR302595

DRAKE CHEMICAL SITE PHASE III RI - SURFACE WATERS

SAMPLE NUMBER: DC-SW1-101
TRAFFIC REPORT NUMBER: C9387
FRACTION OF SOLIDS:
DILUTION FACTOR:
DESCRIPTION:
UNITS:
DATE SAMPLED:

DC-SW10-110
CQ363
DC-SW10-110RE
CQ363RE
DC-SW11-111
CQ364
DC-SW11-111RE
CQ364RE
DC-SW12-112
CQ365

DL = 2 DL = 1 DL = 1

UG/L

10/28/87

UG/L

10/27/87

UG/L

10/27/87

UG/L

10/27/87

*** PESTICIDES ***

PP	CAS NO	COMPOUND
319-84-6		ALPHA-BHC
319-85-7		BETA-BHC
319-86-8		DELTA-BHC
58-89-9		GAMMA-BHC (1,1,INDANE)
76-44-8		HEPTACHLOR
1024-57-3		HEPTACHLOR EPoxide
50-29-3		4,4'-DDT
72-54-8		4,4'-DDD
72-55-9		4,4'-DDE
72-20-8		ENDRIN
53,494-70		ENDRIN KETONE
7421-93-4		ENDRIN ALDEHYDE
959-98-9		ENDOSUFAN 1
33213-55		ENDOSUFAN 11
1031-07-8		ENDOSUFAN SULFATE
309-00-2	0.50	AUDRIN
60-57-1		DIELDRIN
57-74-9		CHLORDANE
72-43-5		METHOXYCHLOR
8001-35-2		TOLAPHEN
12674-11		AROCLOL-1016
11104-28-2		AROCLOL-1221
11141-16-5		AROCLOL-1232
53469-21-9		AROCLOL-1242
12672-29		AROCLOL-1248
11097-59-1		AROCLOL-1254
11096-82-5		AROCLOL-1260

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AR302596

DRAKE CHEMICAL SITE PHASE III RI - SURFACE WATERS

SAMPLE NUMBER: DC-SW1-101
 TRAFFIC REPORT NUMBER: MCQ387
 FRACTION OF SOLIDS:
 DILUTION FACTOR:
 DESCRIPTION:
 UNITS:
 DATE SAMPLED:

DC-SW10-110
 MCQ363
 DC-SW10-110RE
 MCQ364
 DC-SW11-111
 MCQ365
 DC-SW11-111RE
 MCQ365
 DC-SW12-112
 DC-SW12-112RE

UG/L
 10/28/87
 UG/L
 10/27/87
 UG/L
 10/27/87
 UG/L
 10/27/87
 UG/L
 10/27/87

*** INORGANICS ***

PP	CAS NO	COMPOUND	UG/L 10/27/87	UG/L 10/27/87	UG/L 10/27/87	UG/L 10/27/87	UG/L 10/27/87
1		ALUMINUM	3320	697	ND	597	ND
4		BARIUM	1451	1381	ND	1401	ND
7		CALCIUM	23400	26300	ND	27400	ND
8		CHROMIUM	11	ND	ND	ND	ND
9		COBALT	1121	1231	ND	1221	ND
10		COPPER	155	ND	ND	ND	ND
11		IRON	14700	131	ND	137	ND
12		LEAD	18	ND	ND	ND	ND
13		MAGNESIUM	9200	12400	ND	12600	ND
14		MANGANESE	421	1600	ND	1510	ND
16		NICKEL	1241	1351	ND	1311	ND
17		POTASSIUM	18011	19041	ND	16581	ND
19		SILVER	ND	ND	ND	17	ND
20		SODIUM	104000	6520	ND	7510	ND
21		THALLIUM	J N	J N	ND	8010	ND
24		ZINC	272	71	ND	J N	ND
					61	62	ND

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DRAKE CHEMICAL SITE PHASE III RI - SURFACE WATERS

SAMPLE NUMBER:	DC-SW1-101 MCQ387	DC-SW10-110 MCQ363	DC-SW10-110RE MCQ364	DC-SW11-111 MCQ365	DC-SW12-111RE MCQ365	DC-SW12-112RE
TRAFFIC REPORT NUMBER:						
FRACTION OF SOLIDS:						
DILUTION FACTOR:						
DESCRIPTION:						
UNITS:						
DATE SAMPLED:	10/28/87	10/27/87	10/27/87	10/27/87	10/27/87	10/27/87

*** GEOCHEMICAL PARAMETERS ***

PP	CAS NO	COMPOUND
OIL & GREASE	3.5	ND
FENAC	4800	ND
HARDNESS	NA	ND
	110	NA

DRAKE CHEMICAL SITE PHASE III RI - SURFACE WATERS

SAMPLE NUMBER:	DC-SW13-113	DC-SW3-113RE	DC-SW2-102	DC-SW3-103	DC-SW4-104	DC-SW5-105
TRAFFIC REPORT NUMBER:	CQ366	CQ366RE	CQ396	CQ356	CQ357	CQ358
FRACTION OF SOLIDS:						
DILUTION FACTOR:	DL = 1.00		DL = 1.00	DL = 1.00	DL = 1.00	DL = 1.00
DESCRIPTION:						
UNITS:	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
DATE SAMPLED:	10/27/87	10/27/87	10/28/87	10/28/87	10/27/87	10/27/87

*** VOLATILES ***

PP	CAS NO	COMPOUND	B 10B	B 13B	B 10R	B 6RJ
			ND	ND	ND	ND
			R	R	R	R
			B 2J	B 1J	B 1J	B 2J
86V	108-88-3	TOLUENE	ND	ND	ND	ND
10V	75-34-3	1,1-DICHLOROETHANE	ND	ND	ND	ND
16V	75-09-3	CHLOROETHANE	ND	ND	ND	ND
44V	75-09-2	METHYLENE CHLORIDE	ND	ND	ND	ND

AR302599

DRAKE CHEMICAL SITE PHASE III RI - SURFACE WATERS

SAMPLE NUMBER: DC-SW13-113
 TRAFFIC REPORT NUMBER: CQ366
 FRACTION OF SOLIDS:
 DILUTION FACTOR: DL = 2.0
 DESCRIPTION:
 UNITS: UG/L
 DATE SAMPLED: 10/27/87

DC-SW13-113RE CQ366RE DC-SW2-102 CQ386
 DC-SW3-103 CQ355 DC-SW3-103A CQ356
 DC-SW4-104 CQ357

DL = 2.00 DL = 2.00 DL = 2.00
 DUPLICATES
 UG/L UG/L UG/L
 10/28/87 10/28/87 10/28/87
 10/27/87 10/27/87 10/27/87

*** BASE/NEUTRALS ***

PP	CAS NO	COMPOUND		
66B	117-81-7	BIS(2-ETHYLMETHYL)PHTHALATE	ND	UJ
67B	85-68-7	BUTYL BENZYL PHTHALATE	ND	UJ
55B	91-20-3	NAPHTHALENE	ND	ND
20B	91-58-7	2-CHLORONAPHTHALENE	ND	ND
84B	129-00-0	PYRENE	ND	ND
56B	98-95-3	NITROBENZENE	ND	ND
35B	121-14-2	2,4-DINITROTOLUENE	ND	ND
63B	621-64-7	N-NITROSODI PROPYLAMINE	ND	ND
	88-74-4	2-NITROANILINE	ND	ND
100-01-6		4-NITROANILINE	ND	ND
106-07-8		4-CHLOROANILINE	ND	ND
18B	111-44-4	BIS(2-CHLOROETHYL)ETHER	UJ	ND
42B	39638-32-9	BIS(2-CHLOROISOPROPYL)ETHER	UJ	ND
53B	77-47-4	HEXA(CHLOROCYCLOPENTADIENE	ND	ND
58	92-87-5	BENZIDINE	ND	ND
28B	91-94-1	3,3'-DICHLOROBENZIDINE	ND	ND
65-86-0		BENZOIC ACID	ND	UJ
100-51-6		BENZYL ALCOHOL	UJ	ND
43B	111-91-1	BIS(2-CHLOROETHOXYMETHANE	ND	ND

AR302600

DRAKE CHEMICAL SITE PHASE III RI - SURFACE WATERS

SAMPLE NUMBER: TRAFFIC REPORT NUMBER:
FRACTION OF SOLIDS:
DILUTION FACTOR:
DESCRIPTION:
UNITS:
DATE SAMPLED:

DC-3W13-113
CQ366

DT. = 1

UG/L
10/27/87

PESTICIDES ***

PP CAS NO COMPOUND

319-84-6	ALPHA-BHC
319-85-7	BETA-BHC
319-86-8	DELTA-BHC
58-89-9	GAMMA-BHC (LINDANE)
101P	1010P 1044-8-8 1010P 1024-57-3
104P	HEPTACHLOR EPOXIDE
105P	992P 50-29-3 72-54-8 993P 72-55-9
109P	4,4'-DDT 4,4'-DDD 4,4'-DDE
998P	72-20-8 53494-70-7 7421-93-4 959-98-6 33213-65
999P	ENDRIN KETONE ENDRIN ALDEHYDE ENDOSULFAN 1 ENDOSULFAN 11
995P	1031-07-8 309-00-2 60-57-1 57-74-9
997P	ALDRIN DIELDRIN CHLORDANE
999P	72-43-5 50-29-3 1044-8-8
991P	METHOXICHLOR
111P	8001-35-2 12674-11 11104-28-2 11141-16-5 53469-21-9 12672-29 11097-69-1 1096-82-5
113P	TOXAPHENE AROCLO-1016 AROCLO-1221 AROCLO-1232 AROCLO-1242 AROCLO-1248 AROCLO-1254 AROCLO-1260

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AR302602

DRAKE CHEMICAL SITE PHASE III RI - SURFACE WATERS

SAMPLE NUMBER:	DC-SW13-113 MCQ366	DC-SW13-113RE MCQ386	DC-SW2-102 MCQ355	DC-SW3-103 MCQ355	DC-SW3-103A MCQ356	DC-SW4-104 MCQ357	DC-SW5-105 MCQ35H
TRAFFIC REPORT NUMBER:							
FRACTION OF SOLIDS:							
DILUTION FACTOR:							
DESCRIPTION:							
UNITS:	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
DATE SAMPLED:	10/27/87	10/27/87	10/28/87	10/28/87	10/28/87	10/27/87	10/27/87
DUPLICATE							
UG/L							

*** INORGANICS ***

IP	CAS NO	COMPOUND
1		ALUMINUM
4		BARIUM
7		CALCIUM
8		CHROMIUM
9		COBALT
10		COPPER
11		IRON
12		LEAD
13		MAGNESIUM
14		MANGANESE
16		NICKEL
17		POTASSIUM
19		SILVER
20		SODIUM
21		THALLIUM
24		ZINC

T =

AR302603

DRAKE CHEMICAL SITE PHASE III RI - SURFACE WATERS

SAMPLE NUMBER:	DC-SW13-113	DC-SW13-113RE	DC-SW2-102	DC-SW3-103	DC-SW3-103A	DC-SW4-104	DC-SW5-105
TRAFFIC REPORT NUMBER:	MCQ366	MCQ386	MCQ355	MCQ356	MCQ357	MCQ358	
FRACTION OF SOLIDS:							
DILUTION FACTOR:	FEX1/B-NX1		FEX100/B-NX1	FEX100/B-NX1	FEX100/B-NX1	FEX1/B-NX1	FEX1/B-NX1
DESCRIPTION:							
UNITS:							
DATE SAMPLED:	10/27/87	10/27/87	10/28/87	10/28/87	10/28/87	10/27/87	10/27/87

*** GEOCHEMICAL PARAMETERS ***

PP	CAS NO	COMPOUND					
			ND	ND	ND	ND	ND
	0-030J	OIL & GREASE	ND	4900	140	30	0.48
	NA	FENAC	ND	NA	200	NA	NA
		HARDNESS	ND				

DRAKE CHEMICAL SITE PHASE III RI - SURFACE WATERS

SAMPLE NUMBER:	DC-SW6-106	DC-SW7-107	DC-SW8-108	DC-SW9-109	DC-SW10-109RE	DC-SW11-101
TRAFFIC REPORT NUMBER:	CQ359	CQ360	CQ361	CQ362	CQ362RE	CQ364
FRACTION OF SOLIDS:						
DILUTION FACTOR:	DL = 1.00	DL = 1.00	DL = 1.00	DL = 1.00	DL = 1.00	DL = 1.00
DESCRIPTION:						
UNITS:	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
DATE SAMPLED:	10/27/87	10/27/87	10/27/87	10/27/87	10/27/87	10/28/87
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*** VOLATILES ***						
PP	CAS NO	COMPOUND				
67-64-1	B 6BJ	ACETONE	B 75B	R 170B	B 12B	B 7BJ
78-93-3	R	2-BUTANONE	R	R	R	R
86V	B 3J	TOLUENE	B 1J	B 2J	ND	B 5
10V	ND	1,1-DICHLOROETHANE	ND	ND	ND	ND
16V	ND	CHLOROETHANE	ND	ND	0J	0J
44V	ND	METHYLENE CHLORIDE	B 1J	ND	ND	ND

DRAKE CHEMICAL SITE PHASE III RI - SURFACE WATERS

SAMPLE NUMBER: DC-SW6-106
 TRAFFIC REPORT NUMBER: CQ359
 FRACTION OF SOLIDS:
 DILUTION FACTOR: DL = 2.0
 DESCRIPTION:
 UNITS: UG/L
 DATE SAMPLED: 10/27/87

DC-SW7-07
 CQ360
 DL = 2.0
 UG/L
 10/27/87

DC-SW8-108
 CQ361
 DL = 2.0
 UG/L
 10/27/87

DC-SW9-109
 CQ362
 DL = 2.0
 UG/L
 10/27/87

DC-SW9-109RE
 CQ362RE
 DL = 2.0
 UG/L
 10/27/87

DC-SWBB-101
 CQ381
 DL = 2.0
 UG/L
 10/28/87

DC-SWBB-101
 CQ384
 TRIP BLANK
 UG/L
 10/28/87

*** BASE/NEUTRALS ***

PP	CAS NO	COMPOUND
66B	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE
67B	85-69-7	BUTYL BENZYL PHTHALATE
55B	91-20-3	NAPHTHALENE
20B	91-58-7	2-CHLORONAPHTHALENE
84B	129-00-0	PYRENE
56B	98-95-3	NITROBENZENE
35B	121-14-2	2,4-DINITROTOLUENE
63B	621-63-7	N-NITROSODIPOXYANILINE
	88-74-4	2-NITROANILINE
	100-01-6	4-NITROANILINE
	106-47-8	4-CHLOROANILINE
18B	111-44-4	BIS(2-CHLOROETHYL)ETHER
42B	39638-32-9	BIS(2-CHLOROISOPROPYL)ETHER
53B	77-47-4	HEXACHLOROCYCLOPENTADIENE
5B	92-87-5	BENZIDINE
2HB	91-94-1	3,3'-DICHLOROBENZIDINE
	65-85-0	BENZOIC ACID
	100-51-6	BENZYL ALCOHOL
43B	111-91-1	BIS(2-CHLOROETHOXY)METHANE

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AR302606

DRAKE CHEMICAL SITE PHASE III RI - SURFACE WATERS

SAMPLE NUMBER:	DC-SW6-106 CQ359	DC-SW7-107 CQ360	DC-SW8-108 CQ361	DC-SW9-109 CQ362	DC-SW9-109RE CQ362RE	DC-SWHS-101 CQ381	DC-SWTB-101 CQ384
TRAFFIC REPORT NUMBER:							
FRACTION OF SOLIDS:							
DILUTION FACTOR:	DL = 2.0	DL = 2.0	DL = 2.0				
DESCRIPTION:							
UNITS:	UG/L 10/27/87	UG/L 10/27/87	UG/L 10/27/87	UG/L 10/27/87	UG/L 10/27/87	UG/L 10/27/87	UG/L 10/28/87
DATE SAMPLED:							

*** ACIDS ***

PP	CAS NO	COMPOUND
65A	108-95-2	PHENOL
	95-48-7	2-METHYLPHENOL
	106-44-5	4-METHYLPHENOL
34A	105-67-9	2,4-DIMETHYLPHENOL
24A	95-57-8	2-CHLOROPHENOL
31A	120-33-2	2,4-DICHLOROPHENOL
	95-95-4	2,4,5-TRICHLOROPHENOL
21A	88-06-2	2,4,6-TRICHLOROPHENOL
64A	97-86-5	PENTACHLOROPHENOL
22A	59-50-7	4-CHLORO-3-METHYLPHENOL
57A	88-75-5	2-NITROPHENOL
58A	100-02-7	4-NITROPHENOL
59A	51-28-5	2,4-DINITROPHENOL
60A	534-52-1	4,6-DINITRO-2-METHYLPHENOL

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AR302607

DRAKE CHEMICAL SITE PHASE III RI - SURFACE WATERS

SAMPLE NUMBER: DC-SW6-106
 TRAFFIC REPORT NUMBER: CQ359
 FRACTION OF SOLIDS:
 DILUTION FACTOR: DL = 1
 DESCRIPTION:
 UNITS: ug/L
 DATE SAMPLED: 10/27/87

DC-SW7-107
 CQ360
 DL = 1
 ug/L
 10/27/87

DC-SW8-108
 CQ361
 DL = 1
 ug/L
 10/27/87

DC-SW9-109
 CQ362
 DL = 1
 ug/L
 10/27/87

DC-SW9-109RE
 CQ362RE
 DL = 1
 ug/L
 10/27/87

DC-SWTH-101
 CQ384

*** PESTICIDES ***

PP	CAS NO	COMPOUND
103P	319-84-6	ALPHA-BHC
103P	319-85-7	BETA-BHC
104P	319-86-8	DELTA-BHC
105P	58-89-9	GAMMA-BHC (LINDANE)
100P	76-44-8	HEPTACHLOR
101P	1024-57-3	HEPTACHLOR EPOXIDE
92P	50-29-3	4,4'-DDT
	72-54-8	4,4'-DDD
93P	72-55-9	4,4'-DDE
98P	72-20-8	ENDRIN
	53494-0	ENDRIN KETONE
99P	7421-93-4	ENDRIN ALDEHYDE
95P	959-98-8	ENDOSULFAN 1
	33213-65	ENDOSULFAN 11
97P	1031-07-8	ENDOSUFAN SULFATE
	309-90-2	ALDRIN
90P	60-57-1	DIELDRIN
91P	57-74-9	CHLORDANE
	72-43-5	METHOXYCHLOR
113P	8001-35-2	TOXAPHENE
	12674-11	AROCLO-1016
108P	11104-28-2	AROCLO-1221
109P	11141-16-5	AROCLO-1232
106P	53469-21-9	AROCLO-1242
	12672-29	AROCLO-1248
107P	11097-69-1	AROCLO-1254
111P	11096-82-5	AROCLO-1260

DRAKE CHEMICAL SITE PHASE III RI - SURFACE WATERS

SAMPLE NUMBER:	DC-SW6-106 MCQ359	DC-SW7-107 MCQ360	DC-SW8-108 MCQ361	DC-SW9-109 MCQ362	DC-SW9-109RE MCQ381	DC-SW9B-101 MCQ381	DC-SWTB-101
FRACTION OF SOLIDS:							
DILUTION FACTOR:							
DESCRIPTION:							
UNITS:	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
DATE SAMPLED:	10/27/87	10/27/87	10/27/87	10/27/87	10/27/87	10/27/87	10/28/87

*** INORGANICS ***

PP	CAS NO	COMPOUND	DC-SW6-106 MCQ359	DC-SW7-107 MCQ360	DC-SW8-108 MCQ361	DC-SW9-109 MCQ362	DC-SW9-109RE MCQ381	DC-SW9B-101 MCQ381	DC-SWTB-101
1		ALUMINUM	252	231	317	633	ND	11351	ND
4		BARIUM	1571	1731	1481	1361	ND	ND	ND
7		CALCIUM	38300	41600	34600	25700	ND	11511	ND
8		CHROMIUM	ND	ND	ND	ND	ND	ND	ND
9		COBALT	1161	1161	1161	1221	ND	ND	ND
10		COPPER	ND	ND	ND	ND	ND	ND	ND
11		IRON	160	175	162	143	ND	ND	ND
12		LEAD	ND	ND	ND	ND	ND	ND	ND
13		MAGNESIUM	14800	14900	14000	12600	ND	ND	ND
14		MANGANESE	915	800	1090	1580	ND	131	ND
16		NICKEL	1171	1201	1221	35	ND	ND	ND
17		POTASSIUM	111401	114701	110201	112901	ND	ND	ND
19		SILVER	ND	10	ND	ND	ND	ND	ND
20		SODIUM	12200	14000	10900	6270	ND	ND	ND
21		THALLIUM	J N	J N	J N	J N	ND	J N	ND
24		ZINC	36	35	51	71	ND	181	ND

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AR302609

DRAKE CHEMICAL SITE PHASE III RI - SURFACE WATERS

GEOCHEMICAL PARAMETERS *

OIL & GREASE
FENAC
HARDNESS

H - 18

AR302610

APPENDIX H-2

SEDIMENTS

AR302611

STATISTICAL ANALYSIS FOR SAMPLE TYPE: DRAKE CHEMICAL SITE - PHASE III RI ONSITE SEDIMENTS

PP NO	CAS NO	COMPOUND	# OF POSITIVE DETECTIONS	MINIMUM DETECTED CONC.	MAXIMUM DETECTED CONC.	AVERAGE	STANDARD DEVIATION
76-93-3	2-BUTANONE		1	150.0000	150.0000	150.0000	
691-78-6	2-HEXANONE		1	44.0000	44.0000	44.0000	
108-10-1	4-METHYL-2-PENTANONE		1	110.0000	110.0000	110.0000	
4V	71-43-2	BENZENE	1	100.0000	100.0000	100.0000	
86V	108-88-3	TOLUENE	1	710.0000	710.0000	710.0000	
38V	100-41-4	ETHYLBENZENE	1	3500.0000	3500.0000	3500.0000	
	96-47-6	TOTAL XYLEMES	1	20000.0000	20000.0000	20000.0000	
7V	108-90-7	CHLOROBENZENE	2	9.0000	9100.0000	4654.5000	4545.50
11V	71-56-6	1,1,1-TRICHLOROETHANE	1	6.0000	6.0000	6.0000	
85V	127-18-4	TETRACHLOROETHANE	1	47.0000	47.0000	47.0000	
87V	79-01-6	TRICHLOROETHENE	1	7.0000	7.0000	7.0000	
6V	56-23-5	CARBON TETRACHLORIDE	1	350.0000	350.0000	350.0000	
	75-15-0	CARBON DISULFIDE	1	57.0000	57.0000	57.0000	
66B	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	1	310.0000	310.0000	310.0000	
67B	85-68-7	BUTYL BENZYL PHTHALATE	1	120.0000	120.0000	120.0000	
1B	83-32-9	ACENAPHTHENE	1	150.0000	150.0000	150.0000	
77B	208-96-8	ACENAPHTHYLENE	1	200.0000	200.0000	200.0000	
78B	120-12-7	ANTHRACENE	1	330.0000	330.0000	330.0000	
72B	56-55-3	BENZO(A)ANTHRACENE	3	1400.0000	100000.0000	54133.3333	40545.06
74B	205-99-2	BENZO(B)FLUORANTHENE	1	3300.0000	3300.0000	3300.0000	
	207-08-9	BENZO(K)FLUORANTHENE	1	3300.0000	3300.0000	3300.0000	
79B	191-24-2	BENZO(H,I)PERYLENE	1	860.0000	860.0000	860.0000	
73B	50-32-8	BENZO(A)PYRENE	1	1100.0000	1100.0000	1100.0000	
76B	218-01-9	CHRYSENE	1	1900.0000	1900.0000	1900.0000	
82B	53-70-3	DIBENZO(A,H)ANTHACENE	1	260.0000	260.0000	260.0000	
39B	206-44-0	FLUORANTHENE	1	2900.0000	2900.0000	2900.0000	
80B	86-73-7	FLUORENE	1	290.0000	290.0000	290.0000	
83B	193-39-6	INDENO(1,2,3-CD)PYRENE	1	740.0000	740.0000	740.0000	
65B	91-20-3	NAPHTHALENE	2	370.0000	43000.0000	21685.0000	21315.00
	91-57-6	2-METHYLNAPHTHALENE	1	280.0000	280.0000	280.0000	
81B	86-01-8	PHENANTHRENE	1	1300.0000	1300.0000	1300.0000	
84B	129-00-0	PYRENE	1	1600.0000	1600.0000	1600.0000	
	95-50-1	1,2-DICHLOROBENZENE	2	2200.0000	8600.0000	44100.0000	41900.00
27B	106-46-7	1,4-DICHLOROBENZENE	3	290.0000	140000.0000	49230.0000	64249.68
8B	120-92-1	1,2,4-TRICHLOROBENZENE	3	170.0000	140000.0000	72056.9867	57153.41
56B	98-05-3	NITROBENZENE	1	210.0000	210.0000	210.0000	
	65-05-0	BENZOIC ACID	1	450.0000	450.0000	450.0000	
.32-64-9	DIBENZOFURAN		1	280.0000	280.0000	280.0000	
		ALUMINUM	3	2320.0000	8720.0000	4160.0000	2774.50
		ARSENIC	1	17.0000	17.0000	17.0000	
		BARIUM	3	66.0000	120.0000	94.0000	22.09
		BERYLLIUM	1	0.5000	0.5000	0.5000	
		CALCIUM	3	344.9900	109000.0000	52714.6667	44444.91
		CHROMIUM	3	20.0000	69.0000	37.6667	22.21
		COBALT	1	13.0000	13.0000	13.0000	
		COPPER	3	64.0000	1420.0000	619.6667	581.83
		IRON	3	5640.0000	24800.0000	13546.6667	8172.16
		LEAD	3	13.0000	113.0000	46.6667	46.90
		MAGNESIUM	3	368.0000	1940.0000	1000.6667	677.41

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AR302612

STATISTICAL ANALYSIS FOR SAMPLE TYPE: DRAKE CHEMICAL SITE - PHASE III RI ONSITE SEDIMENTS

PP NO	CAS NO	COMPOUND	# OF POSITIVE DETECTIONS	MINIMUM DETECTED CONC.	MAXIMUM DETECTED CONC.	AVERAGE	STANDARD DEVIATION
14		MANGANESE	3	33.0000	313.0000	136.0000	126.31
15		MERCURY	3	0.2900	0.8200	0.5567	0.21
16		NICKEL	3	12.0000	33.0000	21.3333	8.73
17		POTASSIUM	3	618.0000	810.0000	742.6667	88.24
23		VANADIUM	3	5.3000	103.0000	39.2333	45.12
24		ZINC	3	34.0000	343.0000	166.0000	130.10
		CYANIDE	2	431.0000	766.0000	698.6000	167.60
		OIL & GREASE	3	0.3000	29.0000	16.1000	11.89
		FIRMAC	3	740.0000	1500000.0000	790246.6667	614662.82
		TOTAL SOLIDS	3	22.9000	36.0000	29.8867	5.38

AR302613

H-20

STATISTICAL ANALYSIS FOR SAMPLE TYPE: DRAKE CHEMICAL SITE - PHASE III RI SE. 15 - B.E. CREEK AND W.B. BELOW CONFLUENCE

PP NO	CAS NO	COMPOUND	# OF POSITIVE DETECTIONS	MINIMUM DETECTED CONC.	MAXIMUM DETECTED CONC.	AVERAGE	STANDARD DEVIATION
7V	108-90-7	CHLOROBENZENE	2	2.0000	4.0000	3.0000	1.00
85V	127-18-4	TETRACHLOROETHENE	2	3.0000	4.0000	3.5000	0.50
66B	117-81-7	BIS(2-ETHYLHEXYL)PHthalate	6	71.0000	390.0000	203.5000	113.77
67B	65-68-7	BUTYL BENZYL PHthalate	1	83.0000	83.0000	83.0000	
1B	83-32-9	ACENAPHTHENE	1	170.0000	170.0000	160.0000	64.80
76B	120-12-7	ANTHRACENE	3	120.0000	270.0000	120.0000	425.52
72B	56-55-3	BENZO(A)ANTHRACENE	4	130.0000	1200.0000	617.6000	
74B	205-99-2	BENZO(B)FLUORANTHENE	5	230.0000	1600.0000	602.0000	510.51
	207-08-9	BENZO(K)FLUORANTHENE	5	230.0000	1600.0000	602.0000	519.51
79B	191-24-2	BENZO(G,H,I)PERYLENE	4	70.0000	430.0000	178.2500	148.01
73B	50-32-8	BENZO(A)PENTENE	4	130.0000	740.0000	325.0000	240.44
76B	210-01-9	CHRYSENE	5	140.0000	980.0000	434.0000	298.03
62B	63-70-3	DIBENZO(A,H)ANTHRACENE	1	230.0000	230.0000	230.0000	
39B	206-44-0	FLUORANTHENE	5	180.0000	2300.0000	626.0000	808.01
80B	66-73-7	FLUORENE	1	110.0000	110.0000	110.0000	
63B	193-39-6	INDENO(1,2,3-CD)PYRENE	3	67.0000	410.0000	199.0000	150.76
81B	85-01-8	PHENANTHRENENE	4	260.0000	1400.0000	630.0000	463.95
84B	129-00-0	PTERENE	5	200.0000	1500.0000	660.0000	508.95
	95-50-1	1,2-DICHLOROBENZENE	2	70.0000	190.0000	130.0000	60.00
65B	85-0-0	BENZOIC ACID	2	920.0000	1800.0000	1360.0000	440.00
132-64-9		DIBENZOFURAN	1	72.0000	72.0000	72.0000	
65A	108-95-2	PHENOL	2	740.0000	2700.0000	1720.0000	980.00
	106-44-5	4-METHYLPHENOL	3	680.0000	24000.0000	9893.3333	10229.69
64A	87-86-5	PENTACHLOROPHENOL	3	150.0000	1200.0000	580.0000	449.22
1		ALUMINUM	7	6690.0000	35500.0000	16445.7143	9304.33
3		ARSENIC	6	5.5000	27.0000	13.9833	9.40
4		BARIUM	7	84.0000	257.0000	138.5714	58.40
5		BERYLLIUM	7	2.3000	12.0000	5.0429	3.26
7		CALCIUM	7	909.0000	5120.0000	2675.5714	1399.29
8		CHROMIUM	7	8.6000	30.0000	19.2286	7.28
9		COBALT	7	104.0000	363.0000	185.2857	82.49
10		COPPER	7	17.0000	3465.0000	48.4286	23.87
11		IRON	7	12300.0000	34000.0000	22600.0000	7192.65
12		LEAD	7	21.0000	57.0000	39.2857	12.81
13		MAGNESIUM	7	777.0000	3170.0000	1746.7143	811.00
14		MANGANESE	7	1250.0000	15200.0000	5877.1429	4360.19
15		MERCURY	1	0.6400	0.6400	0.6400	
16		NICKEL	7	115.0000	372.0000	195.0000	83.85
17		POTASSIUM	7	609.0000	1680.0000	1008.1429	377.58
23		VANADIUM	7	7.4000	20.0000	14.3429	3.81
24		ZINC	7	279.0000	1580.0000	689.1429	407.93
		OIL & GREASE	2	0.5000	2260.0000	1130.2600	1129.75
		FENAC	5	27.0000	200.0000	137.8000	70.29
		TOTAL SOLIDS	7	14.6000	69.0000	45.9429	15.15

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AR302614

STATISTICAL ANALYSIS FOR SAMPLE TYPE: DRAKE CHEMICAL SITE - PHASE III RI SEDIM. 3 - W.B. ABOVE CONFLUENCE

PP NO	CAS NO	COMPOUND	# OF POSITIVE DETECTIONS	MINIMUM DETECTED CONC.	MAXIMUM DETECTED CONC.	AVERAGE	STANDARD DEVIATION
66B	117-81-7	BIS(2-ETHYLHEXYL)PHthalate	3	110.0000	460.0000	240.0000	156.41
67B	66-68-7	BUTYL BENZYL PHthalate	1	320.0000	320.0000	320.0000	
71B	131-11-3	DIMETHYL PHthalate	1	180.0000	180.0000	180.0000	
77B	208-96-8	ACENAPHTHYLENE	1	150.0000	150.0000	150.0000	
78B	120-12-7	ANTHRACENE	2	230.0000	430.0000	330.0000	100.00
72B	56-55-3	BENZO(A)ANTHRACENE	2	380.0000	1100.0000	740.0000	360.90
74B	205-99-2	BENZO(B)FLUORANTHENE	3	210.0000	3300.0000	1670.0000	1267.20
	207-98-9	BENZO(K)FLUORANTHENE	3	210.0000	3300.0000	1670.0000	1267.20
79B	191-24-2	BENZO(G,H,I)PERYLENE	2	460.0000	890.0000	675.0000	215.00
73B	50-32-8	BENZO(A)PYRENE	3	91.0000	1800.0000	883.6667	703.15
76B	218-01-9	CHRYSENE	3	280.0000	2300.0000	1193.3333	835.91
82B	53-70-3	DIBENZO(A,H)ANTHRACENE	2	290.0000	440.0000	320.0000	120.00
39B	206-44-0	FLUORANTHENE	3	140.0000	3200.0000	1513.3333	1268.73
80B	86-73-7	FLUORENE	1	100.0000	100.0000	100.0000	
83B	193-39-5	INDENO(1,2,3-CD)PYRENE	2	430.0000	860.0000	645.0000	215.00
81B	85-01-8	PHENANTHRENE	2	660.0000	1400.0000	1030.0000	370.00
84B	129-90-0	PYRENE	3	150.0000	3400.0000	1683.3333	1333.12
64A	87-96-5	PENTACHLOROPHENOL	2	310.0000	530.0000	420.0000	110.00
1		ALUMINUM	3	12100.0000	25000.0000	16733.3333	5859.65
3		ARSENIC	3	8.5000	11.0000	9.6333	1.03
4		BARIUM	3	47.0000	94.0000	65.0000	20.70
5		BERYLLIUM	3	1.4000	3.8000	2.4333	1.00
7		CALCIUM	3	62.0000	2310.0000	1219.0000	772.64
8		CHROMIUM	3	19.0000	20.0000	19.3333	0.47
9		COBALT	3	21.0000	48.0000	33.6667	11.08
10		COPPER	3	27.0000	51.0000	36.0000	10.67
11		IRON	3	36100.0000	54700.0000	42766.6667	8457.47
12		LEAD	3	27.0000	54.0000	36.0000	12.72
13		MAGNESIUM	3	1140.0000	1970.0000	1490.0000	351.09
14		MANGANESE	3	172.0000	867.0000	496.6667	285.56
16		NICKEL	3	31.0000	56.0000	40.6667	10.96
17		POTASSIUM	3	837.0000	1710.0000	1269.0000	356.45
23		VANADIUM	3	10.0000	18.0000	13.6667	3.29
24		ZINC	3	147.0000	334.0000	219.3333	82.00
		CYANIDE	1	2.4000	2.4000	2.4000	
		FENAC	1	24.0000	24.0000	24.0000	
		TOTAL SOLIDS	3	23.1000	47.3000	35.4000	9.98

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AR302615

STATIST. ANALYSIS FOR SAMPLE TYPE: DRAKE CHEMICAL SITE - PHASE III RI S. WATERS

PP NO	CAS NO	COMPOUND	# OF POSITIVE DETECTIONS	MINIMUM DETECTED CONC.	MAXIMUM DETECTED CONC.	AVERAGE	STANDARD DEVIATION
		BENZOIC ACID	1	36.0000	36.0000	36.0000	41.50
34A	105-67-9	2,4-DIMETHYLPHENOL	2	7.0000	90.0000	48.5000	0.50
	95-95-4	2,4,5-TRICHLOROPHENOL	2	5.0000	6.0000	5.5000	
21A	89-06-2	2,4,6-TRICHLOROPHENOL	1	11.0000	11.0000	11.0000	
	309-00-2	ALDRIN	1	0.5000	0.5000	0.5000	
1		ALUMINUM	14	97.0000	3910.0000	855.6400	1151.31
4		BARIUM	14	36.0000	89.0000	53.7100	17.79
7		CALCIUM	15	151.0000	70000.0000	36863.4000	18185.94
8		CHROMIUM	2	11.0000	13.0000	12.0000	1.00
9		COBALT	12	12.0000	25.0000	18.1100	4.52
10		COPPER	4	16.0000	155.0000	74.2300	58.87
11		IRON	14	131.0000	14700.0000	1895.6400	4219.50
12		LEAD	2	16.0000	18.0000	17.0000	1.00
13		MAGNESIUM	14	7300.0000	14900.0000	11988.5700	2675.05
14		MANGANESE	15	3.0000	1620.0000	893.9300	561.11
16		NICKEL	12	16.0000	35.0000	25.3300	6.79
17		POTASSIUM	14	658.0000	6900.0000	1886.5700	2032.14
19		SILVER	2	10.0000	17.0000	13.5000	3.50
20		SODIUM	14	6220.0000	104000.0000	23162.8500	32486.91
24		ZINC	15	8.0000	272.0000	74.2600	75.02
		CATION EXCHANGE CAPACITY REDOX POTENTIAL (MV)	1	3.5000	3.5000	3.5000	
		O-XYLENE	10	0.0300	4900.0000	987.1900	1931.97
			6	110.0000	200.0000	150.0000	30.56

AR302616

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STATISTICA ANALYSIS FOR SAMPLE TYPE: DRAKE CHEMICAL SITE - PHASE III RI SOIL

P NO	CAS NO	COMPOUND	# OF POSITIVE DETECTIONS	MINIMUM DETECTED CONC.	MAXIMUM DETECTED CONC.	AVERAGE	STANDARD DEVIATION
4V	71-43-2	BENZENE	19	2.0000	500.0000	33.4563	110.05
86V	108-88-3	TOLUENE	86	1.6000	1507.0000	34.1441	163.88
38V	100-41-4	ETHYLBENZENE	50	1.5000	353.0000	21.1695	53.47
7V	108-90-7	CHLOROBENZENE	92	1.9000	20200.0000	284.8466	2090.28
10V	107-06-2	1,2-DICHLOROETHANE	111	2.3000	185.0000	21.5347	32.31
87V	79-01-6	TRICHLOROETHENE	1	8.6600	8.6600	8.6600	
23V	67-66-3	CHLOROFORM	60	2.0000	455.0000	22.2789	59.12
27B	106-46-7	1,4-DICHLOROBENZENE	40	4.9000	1550.0000	119.7786	276.21
65A	108-95-2	PHENOL	16	59.0000	2200.0000	484.9375	601.62
34A	106-67-9	2,4-DIMETHYLPHENOL	18	63.0000	710.0000	199.7778	197.49
31A	120-33-2	2,4-DICHLOROPHENOL	9	56.0000	3200.0000	645.1111	985.03
59A	51-28-5	2,4-DINITROPHENOL	22	76.0000	5900.0000	881.5000	1268.84

STATISTICAL ANALYSIS FOR SAMPLE TYPE: DRAKE CHEMICAL SITE - PHASE III RI 801 (EXCL. FILE BLANKS)

PP NO	CAS NO	COMPOUND	# OF POSITIVE DETECTIONS	MINIMUM DETECTED CONC.	MAXIMUM DETECTED CONC.	AVERAGE	STANDARD DEVIATION
4V	71-43-2	BENZENE	1	4.0000	4.0000	4.0000	5.96
86V	108-88-3	TOLUENE	4	8.5900	22.2200	14.4425	0.00
3BV	100-41-4	ETHYLBENZENE	2	1.5000	1.5000	1.5000	0.00
7V	108-90-7	CHLOROBENZENE	4	5.9000	30.3900	16.8975	9.49
10V	107-06-2	1,2-DICHLOROETHANE	4	2.7000	10.4200	5.9500	3.02
23V	67-66-3	CHLOROFORM	3	37.0000	48.0000	42.8200	4.51

STATISTICAL ANALYSIS FOR SAMPLE TYPE: DRAKE CHEMICAL SITE - PHASE III RI SOILS (FIXED BASE)

PP NO	CAS NO	COMPOUND	# OF POSITIVE DETECTIONS	MINIMUM DETECTED CONC.	MAXIMUM DETECTED CONC.	AVERAGE	STANDARD DEVIATION	
67-64-1	ACETONE		20	4.0000	1400.0000	190.6000	332.67	
78-93-3	2-BUTANONE		2	29.0000	44.0000	36.5000	7.50	
591-78-6	2-HEXANONE		1	4.0000	4.0000	4.0000		
108-10-1	4-METHYL-2-PENTANONE		2	1.0000	270.0000	135.5000	134.50	
4V	71-43-2	BENZENE	1	3.0000	3.0000	3.0000		
86V	108-98-3	TOLUENE	9	1.0000	79.0000	15.5566	26.28	
38V	100-41-4	ETHYLBENZENE	11	1.0000	27000.0000	2479.0909	7754.32	
	95-47-6	TOTAL KYLINES	15	3.0000	220000.0000	16019.7333	54787.35	
7V	108-90-7	CHLOROBENZENES	24	2.0000	14000.0000	668.3750	2840.99	
11V	71-55-6	1,1,1-TRICHLOROETHANE	1	43.0000	43.0000	43.0000		
10V	107-06-2	1,2-DICHLOROETHANE	6	13.0000	74.0000	29.5000	20.95	
85V	127-18-4	TETRACHLOROETHANE	5	2.0000	38.0000	23.8000	12.36	
87V	79-01-6	TRICHLOROETHANE	1	2.0000	2.0000	2.0000		
23V	67-66-3	CHLOROPRON	2	4.0000	79.0000	41.5000	37.50	
44V	75-09-2	METHYLENE CHLORIDE	5	2.0000	170.0000	49.4000	61.25	
75-15-0	CARBON DISULFIDE		8	1.0000	91.0000	26.3750	34.02	
66B	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	1	260.0000	260.0000	260.0000		
68B	84-74-2	DI-N-BUTYL PHTHALATE	3	130.0000	9200.0000	3170.0000	4263.90	
67B	85-68-7	BUTYL BENZYL PHTHALATE	1	32000.0000	32000.0000	32000.0000		
77B	208-96-8	ACENAPHTHYLENE		4200.0000	5800.0000	5000.0000	800.00	
78B	120-12-7	ANTHRACENE	3	150.0000	8200.0000	2950.0000	3715.05	
72B	56-55-3	BENZO(A)ANTHRACENE	15	100.0000	42000.0000	6993.3333	11383.10	
74B	205-59-2	PENZO(B)FLUORANTHENE	4	570.0000	4100.0000	14140.0000	16420.61	
		PENZO(K)FLUORANTHENE	4	450.0000	29000.0000	15665.0000	11662.35	
79B	191-24-2	BENZO(G,H,I)PERYLENE	2	710.0000	24000.0000	12356.0000	11645.00	
73B	50-32-8	BENZO(A)PYRENE	4	430.0000	34000.0000	13605.0000	13944.36	
76B	218-01-9	CHRYSENE	4	870.0000	52000.0000	19292.5000	20896.43	
82B	53-70-3	DIBENZO(A,H)ANTHRACENE	1	11000.0000	11000.0000	11000.0000		
39B	206-44-0	FLUORANTHENE	4	1200.0000	110000.0000	41150.0000	44539.05	
80B	86-73-7	FLUORENE	1	7200.0000	7200.0000	7200.0000		
83B	193-39-5	INDENO(1,2,3-CD)PYRENE	3	610.0000	22000.0000	10870.0000	8754.07	
55B	91-20-3	NAPHTHALENE	6	74.0000	7000.0000	1295.5000	2198.80	
	91-57-6	2-METHYLNAPHTHALENE	1	390.0000	390.0000	390.0000		
81B	85-01-8	PHENANTHRENE	6	120.0000	140000.0000	32680.0000	51648.24	
84B	129-00-0	PYRENE	4	870.0000	100000.0000	37742.5000	40654.58	
	95-50-1	1,2-DI CHLOROBENZENE	10	210.0000	310.0000	17801.0000	32361.70	
26B	541-73-1	1,3-DI CHLOROBENZENE	2	190.0000	12000.0000	3250.8333	50.00	
27B	106-46-7	1,4-DI CHLOROBENZENE	12	98.0000	21000.0000	4268.5000	6685.92	
8B	120-92-1	1,2,4-TRICHLOROBENZENE	8	220.0000	9900.0000	5060.0000	4840.00	
56B	98-95-3	NITROBENZENE	2	48000.0000	48000.0000	49000.0000		
	100-01-6	4-NITROANILINE	1	600.0000	680.0000	650.0000		
	106-47-8	4-CHLORANILINE	3	910.0000	29000.0000	7001.6667	9904.52	
28B	91-94-1	3,3'-DICHLOROBENZIDINE	6	240.0000	2500.0000	1370.0000	1130.00	
65	85-0	BENZOIC ACID	2	7500.0000	7500.0000	7500.0000		
	132-64-9	DI BENZOFURAN	1	160.0000	1800.0000	662.5000		
R302619	5A	109-95-2	PHENOL	1	6.0000	6.0000	6.0000	35.59
1A	106-44-5	4-METHYLPHENOL	2	1400.0000	1800.0000	1600.0000	200.00	
1A	120-33-2	2,4-DICHLOROPHENOL	2	13000.0000	13000.0000	13000.0000		
	89-06-2	2,4,6-TRICHLOROPHENOL	1					

STATISTICAL ANALYSIS FOR SAMPLE TYPE: DRAKE CHEMICAL SITE - PHASE III RI SOLIDS (FIXED BASE)

PP NO	CAS NO	COMPOUND	# OF POSITIVE DETECTIONS	MINIMUM DETECTED CONC.	MAXIMUM DETECTED CONC.	AVERAGE	STANDARD DEVIATION
64A	87-86-5	PENTACHLOROPHENOL	3	1200.0000	130000.0000	44166.6667	60693.34
59A	51-28-6	2,4-DINITROPHENOL	2	3000.0000	36000.0000	19500.0000	16500.00
92P	50-29-3	4,4'-DDD	1	110000.0000	110000.0000	110000.0000	110000.0000
1	72-54-8	4,4'-DDT	1	110000.0000	110000.0000	110000.0000	110000.0000
3		ALUMINUM	41	271.0000	19500.0000	8093.8293	5252.28
4		ARSENIC	37	2.0000	21.0000	7.8081	3.86
5		BARIUM	46	7.7000	382.0000	106.2848	65.95
6		BERYLLIUM	32	0.2000	2.3000	0.9797	0.51
7		CADMIUM	9	1.1000	283.0000	33.9444	88.08
8		CALCIUM	42	15.0000	221000.0000	28895.5000	63539.84
9		CHROMIUM	48	1.5000	269.0000	42.4146	57.76
10		COBALT	35	2.1000	104.0000	14.2029	16.00
11		COPPER	47	4.2000	17200.0000	408.7574	2478.40
12		IRON	42	12.0000	55700.0000	18905.9048	14219.14
13		LEAD	39	3.3000	1170.0000	60.3513	183.01
14		MAGNESIUM	42	34.0000	46200.0000	5161.6429	10182.12
15		MANGANESE	49	3.0000	3760.0000	454.8367	617.73
16		MERCURY	14	0.1000	18.0000	1.5250	4.57
17		NICKEL	45	3.0000	41.0000	17.1867	8.24
18		POTASSIUM	36	107.0000	3040.0000	1121.0278	684.58
19		SELENIUM	1	1.6000	1.6000	1.6000	
20		SILVER	1	3.8000	3.8000	3.8000	
23		SODIUM	24	62.0000	4100.0000	511.6667	796.54
24		VANADIUM	47	2.4000	36.0000	16.9916	8.94
		ZINC	50	7.0000	1530.0000	119.3460	213.81
		CYANIDE	3	1.3000	189.0000	92.4333	76.72
		TOTAL ORGANIC CARBON	7	120.0000	37000.0000	6910.0000	12344.17
		CATION EXCHANGE CAPACITY	3	5.0000	12.0000	8.8667	2.90
		OIL & GREASE	1	0.5000	0.5000	0.5000	
		FENAC	32	3.8000	8200.0000	1363.8125	2237.98
		B-NAPHTHYLAMINE	18	470.0000	1500000.0000	88624.4444	342490.28
		TOTAL SOLIDS	7	70.1000	87.0000	80.4714	5.57
		SIEVE SIZE 1 1/2"	7	100.0000	100.0000	100.0000	0.00
		SIEVE SIZE 1"	12	73.8000	100.0000	95.7167	7.00
		SIEVE SIZE 3/4"	15	73.8000	100.0000	95.2533	6.43
		SIEVE SIZE 1/2"	17	68.2000	100.0000	93.2588	8.17
		SIEVE SIZE 3/8"	19	65.5000	100.0000	92.4421	8.91
		SIEVE SIZE NO. 4	22	59.6000	100.0000	90.5136	11.65
		SIEVE SIZE NO. 10	22	53.1000	99.9000	87.5227	14.86
		SIEVE SIZE NO. 40	22	34.4000	99.5000	81.7591	20.28
		SIEVE SIZE NO. 60	22	16.0000	97.1000	72.4682	21.37
		SIEVE SIZE NO. 200	22	7.2000	67.9000	41.9273	15.06
		PARTICLE SIZE (MM) 0.024	22	4.7000	42.6000	22.8591	10.40
		PARTICLE SIZE (MM) 0.007	22	2.4000	28.7000	15.3818	6.98
		PARTICLE SIZE (MM) 0.001	22	0.7000	16.8000	8.0273	3.93
		LIQUID LIMIT	3	24.0000	28.0000	25.6667	1.69
		PLASTIC LIMIT	3	19.0000	21.0000	20.0000	0.81
		PLASTIC INDEX	3	5.0000	7.0000	5.6667	0.94
		MOISTURE CONTENT	22	16.2000	46.0000	23.8773	6.39

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STATISTICAL ANALYSIS FOR SAMPLE TYPE: DRAKE CHEMICAL SITE - PHASE III RI SOILS (FIXED BASE)

PP NO	CAS NO	COMPOUND	# OF POSITIVE DETECTIONS	MINIMUM DETECTED CONC.	MAXIMUM DETECTED CONC.	AVERAGE	STANDARD DEVIATION
SPECIFIC GRAVITY (FINE GRAIN)			22	1.7600	2.7400	2.4959	0.23

STATISTICAL ANALYSIS FOR SAMPLE TYPE: DRAKE CHEMICAL SITE - PHASE III RJ GROUNDWATER ZONE 1

PP NO	CAS NO	COMPOUND	# OF POSITIVE DETECTIONS	MINIMUM DETECTED CONC.	MAXIMUM DETECTED CONC.	AVERAGE	STANDARD DEVIATION	
4V	71-43-2	BENZENE	11	2.4000	110.0000	27.2455	32.18	
86V	108-68-3	TOLUENE	19	1.3000	10000.0000	10861.1368	2762.94	
38V	100-41-4	ETHYLBENZENE	16	3.4000	1600.0000	789.0938	624.11	
7V	108-90-7	CHLOROBENZENE	38	72.0000	18000.0000	2476.8526	3946.21	
15V	79-34-5	1,1,2,2-TETRACHLOROETHANE	1	0.0900	0.0900	0.0900		
11V	71-55-6	1,1,1-TRICHLOROETHANE	1	1.0000	1.0000	1.0000		
14V	79-00-5	1,1,2-TRICHLOROETHANE	7	0.1900	12.0000	4.0300	5.06	
10V	75-34-3	1,1-DICHLOROETHANE	4	0.1800	90.0000	23.0150	38.67	
10V	107-06-2	1,2-DICHLOROETHANE	36	0.0600	6500.0000	695.1961	1509.80	
85V	127-18-4	TETRACHLOROETHANE	20	0.3300	12.0000	5.7945	4.05	
87V	79-01-6	TRICHLOROETHANE	15	0.8600	500.0000	86.7107	163.44	
30V	156-60-5	TRANS-1,2-DICHLOROETHENE	1	0.1100	0.1100	0.1100		
29V	75-35-4	1,1-DICHLOROETHENE	3	0.1600	1.4000	0.7233	0.51	
88V	75-01-4	VINYL CHLORIDE	4	1.4000	64.0000	19.9500	25.57	
6V	56-23-5	CARBON TETRACHLORIDE	1	30.3000	30.3000	30.3000		
23V	67-66-3	CHLOROPHENOL	24	1.3000	840.0000	173.0600	246.39	
44V	75-09-2	METHYLENE CHLORIDE	13	4.2000	270.0000	69.7900	79.86	
		CIS-1,2-DICHLOROETHENE	3	1.2000	34.0000	13.2667	14.72	
95-50-1		1,2-DICHLOROBENZENE	17	4.7000	1300.0000	291.7882	380.47	
541-73-1		1,3-DICHLOROBENZENE	13	3.4000	100.0000	51.1385	33.64	
106-46-7		1,4-DICHLOROBENZENE	17	3.4000	110.0000	33.3629	26.91	
1	66B	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	3	1.0000	8.0000	3.6667	3.09
-	69B	117-84-0	DI-N-OCTYL PHTHALATE	1	66.0000	66.0000	66.0000	
-	70B	84-66-2	DIETHYL PHTHALATE	1	11.0000	11.0000	11.0000	
-	55B	91-20-3	NAPHTHALENE	8	7.0000	32.0000	16.2500	8.96
-	91-57-6	2-METHYLNAPHTHALENE	1	2.0000	2.0000	2.0000		
-	95-50-1	1,2-DICHLOROBENZENE	6	30.0000	1000.0000	566.6667	314.88	
-	26B	541-73-1	1,3-DICHLOROBENZENE	4	30.0000	58.0000	43.2500	11.60
-	27B	106-46-7	1,4-DICHLOROBENZENE	9	6.0000	150.0000	54.3333	51.08
-	8B	120-92-1	1,2,4-TRICHLOROBENZENE	5	12.0000	130.0000	53.8000	43.10
-	56B	98-95-3	NITROBENZENE	3	20.0000	43.0000	35.0000	10.61
-	62B	86-30-6	N-NITROSODIPHENYLAMINE	1	8.0000	8.0000	8.0000	
-	106-47-8	4-CHLOROANILINE	9	5.0000	620.0000	284.1111	224.29	
-	28B	91-94-1	3,3'-DICHLOROBENZIDINE	1	360.0000	360.0000	360.0000	
-	65A	108-95-2	PHENOL	6	2.0000	2500.0000	837.0000	1141.00
-	95-95-4	2,4,5-TRICHLOROPHENOL	1	5.0000	5.0000	5.0000		
1		ALUMINUM	25	36.4000	354000.0000	37354.6800	72892.11	
2		ANTIMONY	1	61.0000	61.0000	61.0000		
3		ARSENIC	14	5.5000	400.0000	63.8071	95.26	
4		BERILLIUM	24	28.0000	19600.0000	4769.4208	6836.55	
5		CADMIUM	13	2.0000	14.0000	8.0000	3.64	
6		CALCIUM	23	5.9000	213.0000	52.0826	61.69	
7		CHROMIUM	46	30100.0000	850000.0000	270091.3043	193473.38	
6			26	5.1000	458.0000	126.9308	123.71	

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AR302622

STATISTICAL ANALYSIS FOR SAMPLE TYPE: DRAKE CHEMICAL SITE - PHASE III RI GROUNDWATER ZONE2

PP NO	CAS NO	COMPOUND	# OF POSITIVE DETECTIONS	MINIMUM DETECTED CONC.	MAXIMUM DETECTED CONC.	AVERAGE	STANDARD DEVIATION	
4V	71-43-2	BENZENE	6	1.1000	76.0000	16.6333	26.78	
86V	108-98-3	TOLUENE	2	0.6800	32.0000	16.3400	15.66	
38V	100-41-4	ETHYLBENZENE	1	0.3100	11000.0000	0.3100	2806.96	
7V	108-90-7	CHLOROBENZENE	22	2.4000	35.0000	17.1462	12.19	
11V	71-55-6	1,1,1-TRICHLOROETHANE	8	0.0800	6.3000	2.0425	2.46	
14V	79-00-5	1,1,2-TRICHLOROETHANE	4	0.3300	0.9000	0.3936	0.25	
10V	75-34-3	1,1-DICHLOROETHANE	11	0.1000	680.0000	141.0827	185.71	
10V	107-06-2	1,2-DICHLOROETHANE	22	0.0900	3.3000	1.5050	1.08	
85V	127-18-4	TETRACHLOROETHENE	12	0.2200	140.0000	45.4333	49.31	
87V	79-01-6	TRICHLOROETHENE	9	3.5000	9.1000	2.6750	3.72	
30V	156-60-5	TRANS-1,2-DICHLOROETHENE	4	0.1000	0.9700	0.5900	0.34	
29V	75-35-4	1,1-DICHLOROETHENE	3	0.1400	0.9700	1.1867	0.92	
88V	75-01-4	VINYL CHLORIDE	3	0.3000	2.5000	102.1373	203.65	
23V	67-66-3	CHLOROFORM	11	0.2300	620.0000	58.6667	78.72	
44V	75-09-2	METHYLENE CHLORIDE	3	2.7000	170.0000	19.0000	19.0000	
32V	78-87-5	1,2-DICHLOROPROPANE	1	19.0000	0.1000	0.1000	0.1000	
48V	75-27-4	BROMODICHLOROMETHANE	1	0.1000	15.0000	2.1642	3.92	
		CLIS-1,2-DICHLOROETHENE	12	0.1300	35.0000	12.3500	13.24	
		1,2-DICHLOROBENZENE	8	2.4000	27.0000	27.0000	27.0000	
		1,4-DICHLOROBENZENE	1	4.4000	4.4000	4.4000	4.4000	
		BIS(2-ETHYLHEXYL)PHTHALATE	4	1.0000	2.0000	1.7500	0.43	
I	66B	117-81-7	NAPHTHALENE	3	1.0000	440.0000	263.6667	169.33
	55B	91-20-3	2-METHYLNAPHTHALENE	1	27.0000	56.0000	25.1714	17.76
	91	57-57-6	1,2-DICHLOROBENZENE	7	7.0000	27.0000	12.0000	9.65
	95	50-1	1,4-DICHLOROBENZENE	5	4.0000	120.0000	94.5000	25.50
	27B	106-46-7	1,2,4-TRICHLOROBENZENE	2	69.0000	190.0000	430.0000	97.97
	8B	120-62-1	4-CHLOROANILINE	3	450.0000	680.0000	565.0000	115.00
	106-47-8	BENZOIC ACID	2	270.0000	360.0000	315.0000	45.00	
	65	85-0	PHENOL	2	13.0000	16.0000	14.5000	1.50
	65A	108-95-2	2-METHYLPHENOL	2	4.0000	41.0000	18.0000	15.51
	95	48-7	2,4-DIMETHYLPHENOL	5	2.0000	24.0000	12.2500	8.25
	34A	106-67-9	2-CHLOROPHENOL	4	4.0000	31.0000	24.0000	5.35
	24A	95-57-6	2,4-DICHLOROPHENOL	3	18.0000	14.0000	14.0000	14.0000
	31A	120-34-2	PENTACHLOROPHENOL	1	4.0000	123.0000	18867.9188	34395.95
	64A	87-86-5	4-CHLORO-3-METHYLPHENOL	1	23.0000	66.5000	51.1750	11.65
	22A	59-50-7	ALUMINUM	32	35.0000	102.0000	22.4947	27.13
		ANTIMONY	4	15.0000	2720.0000	382.4023	591.05	
	2	ARSENIC	19	5.0000	345.0000	72.9423	2.77	
	3	CALCIUM	43	15.0000	411000.0000	118667.2414	88664.53	
	4	CHROMIUM	29	5.0000	234.0000	50.6655	64.57	
	5	COBALT	37	8.5000	264.0000	65.6865	62.28	
	6	COPPER	26	9.1000	345.0000	72.9423	81.92	
	7	IRON	45	48.6000	666000.0000	111078.3022	191483.16	
	8	LEAD	19	3.0000	215.0000	59.6579	59.44	
	9	MAGNESIUM	58	3170.0000	670000.0000	54958.4483	12080.18	
	10	MANGANESE	55	5.9000	474000.0000	25263.3345	68487.41	

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AR302623

STATISTICAL ANALYSIS FOR SAMPLE TYPE: DRAKE CHEMICAL SITE - PHASE III RI GROUNDWATER ZONE 1

PP NO	CAS NO	COMPOUND	# OF POSITIVE DETECTIONS	MINIMUM	MAXIMUM	DETECTED CONC.	DETECTED CONC.	AVERAGE	STANDARD DEVIATION
9		COBALT	27	10.7000	315.0000	111.9889		95.43	
10		COPPER	9	17.6000	321.0000	202.3111		107.24	
11		IRON	40	40.0000	1240000.0000	186381.4750		285461.91	
12		LEAD	11	1.5000	138.0000	29.6636		39.67	
13		MAGNESIUM	45	2940.0000	890000.0000	221187.7778		308039.75	
14		MANGANESE	45	12.7000	129000.0000	17873.8689		24977.80	
15		MERCURY	7	0.2000	1.0000	0.3914		0.26	
16		NICKEL	16	7.0000	436.0000	179.2813		118.86	
17		POTASSIUM	42	936.0000	2390000.0000	54155.6905		54630.46	
18		SELENIUM	1	7.2000	7.2000	7.2000		7.2000	
19		SILVER	3	8.0000	21.0000	16.0000		5.71	
20		SODIUM	46	9170.0000	1540000.0000	353423.6957		401762.03	
21		THALLIUM	1	25.0000	25.0000	26.0000			
23		VANADIUM	28	3.4000	177.0000	83.6500		64.23	
24		ZINC	24	18.0000	4270.0000	825.3833		1195.82	
		AMMONIA (as N)	13	3.2000	250.0000	55.3385		61.28	
		CHLORIDE	18	48.0000	3100.0000	542.0556		728.19	
		CYANIDE	7	10.0000	16400.0000	5156.2957		6437.96	
		NITRITE (as N)	12	0.0510	0.5700	0.2246		0.16	
		NITRATE (as N)	8	0.0680	16.0000	2.6914		4.76	
		SULFATE	2	3500.0000	4400.0000	3950.0000		450.00	
		TOTAL ORGANIC CARBON	12	17.0000	590.0000	201.4167		176.89	
		ALKALINITY (CaCO ₃)	13	12.0000	730.0000	180.0769		173.32	
		ACIDITY HOT PHT (CaCO ₃)	11	0.0790	0.7400	0.2488		0.18	
		OIL & GREASE	7	4.0000	21.0000	14.4286		4.98	
		FENAC	22	0.1600	20000.0000	2860.4650		4469.65	
		B-NAPHTHYLAMINE	14	5.0000	30000.0000	1159.0714		1325.69	

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AR302624

STATISTICAL ANALYSIS FOR SAMPLE TYPE: DRAKE CHEMICAL SITE - PHASE III RI GRU N ZONE3

PP NO	CAS NO	COMPOUND	# OF POSITIVE DETECTIONS	MINIMUM DETECTED CONC.	MAXIMUM DETECTED CONC.	AVERAGE	STANDARD DEVIATION
FENAC			12	0.0600	700.0000	69.2000	190.82

AR302625

STATISTICAL ANALYSIS FOR SAMPLE TYPE: DRAKE CHEMICAL SITE - PHASE III RI GROUNDWATER BLANKS

PP NO	CAS NO	COMPOUND	# OF POSITIVE DETECTIONS	DETECTED CONC.	MINIMUM	MAXIMUM	AVERAGE	STANDARD DEVIATION
86V	108-08-3	TOLUENE	13	0.2500	2.4000	1.6577	0.64	
JBV	100-41-4	ETHYLBENZENE	1	0.3100	0.3100	0.3100		
7V	106-90-7	CHLOROBENZENE	1	0.3200	0.3200	0.3200		
11V	71-55-6	1,1,1-TRICHLOROETHANE	14	0.0300	0.2000	0.0886	0.04	
85V	127-18-4	TETRACHLOROETHENE	1	0.0600	0.0600	0.0600		
23V	67-66-3	CHLOROFORM	13	0.0900	0.2000	0.1346	0.03	
44V	76-09-2	METHYLENE CHLORIDE	4	0.2700	0.8800	0.5975	0.22	
1		ALUMINUM	11	25.1000	750.0000	199.1000	259.83	
7		CALCIUM	13	117.0000	1960.0000	684.8462	687.35	
8		CHROMIUM	1	14.0000	14.0000	14.0000		
10		COPPER	6	11.3000	18.7000	13.5333	2.49	
11		IRON	10	30.0000	73.5000	44.8700	15.04	
12		LEAD	3	3.0000	12.0000	6.2333	4.08	
14		MANGANESE	6	5.2000	18.9000	12.5167	4.34	
15		MERCURY	2	0.3000	0.3200	0.3100	0.01	
19		SILVER	1	5.0000	5.0000	5.0000		
20		SODIUM	7	1400.0000	2270.0000	1911.4286	269.20	
23		VANADIUM	1	2.2000	2.2000	2.2000		
24		ZINC	2	22.0000	22.0000	22.0000	0.00	
		FENAC	5	0.0350	2.7000	0.8156	1.02	

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DRAKE CHEMICAL SITE - PHASE III RI SEDIMENTS

SAMPLE NUMBER:	DC-SD1-101	PP	DC-SD10-110	PP	DC-SD11-111	PP	DC-SD12-112	PP	DC-SD13-113	PP	DC-SD2-102
TRAFFIC REPORT NUMBER:	09367	CAS NO	09377	CAS NO	09378	CAS NO	09379	CAS NO	09380	CAS NO	09368
FRACTION OF SOLIDS:	25.4	COMPOUND	36.9	COMPOUND	14.8	COMPOUND	46.9	COMPOUND	42.4	COMPOUND	35.0
DILUTION FACTOR:	DL = 10.0	COMPOUND	DL = 0.992	COMPOUND	DL = 0.990	COMPOUND	DL = 0.994	COMPOUND	DL = 0.996	COMPOUND	DL = 2.46
DESCRIPTION:		UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG
UNITS:	10/30/87	DATE SAMPLED:	10/30/87	DATE SAMPLED:	10/30/87	DATE SAMPLED:	10/30/87	DATE SAMPLED:	10/29/87	DATE SAMPLED:	10/30/87
*** VOLATILES ***		PP	PP	PP	PP	PP	PP	PP	PP	PP	PP
67-64-1	ACETONE	UJ	B 76B	B 39BJ	B 16B	B 43B	B 130B	R	J 150	R	UJ
78-93-3	2-BUTANONE	R	R	R	UJ	UJ	UJ	UJ	44	UJ	UJ
591-78-6	2-HEXANONE	UL	UL	UL	UJ	UJ	UJ	UJ	110	UJ	UJ
108-10-1	4-METHYL-2-PENTANONE	UL	UL	UL	ND	ND	ND	ND	100	UJ	UJ
4V	BENZENE	UL	UL	UL	ND	ND	ND	ND	710E	2400J	
86V	TOLUENE	L 200000J	ND	ND	ND	ND	ND	ND	3600R	12000	
38V	ETHYL BENZENE	L 190000	ND	ND	ND	ND	ND	ND	20000R	78000	
95-47-6	TOTAL XYLEMES	L 1400000	UJ	UJ	UJ	UJ	UJ	UJ	ND	ND	
100-42-6	STYRENE	UL	UL	UL	UJ	UJ	UJ	UJ	ND	ND	
7V	108-90-7	CHLOROBENZENE	L 1100000	ND	ND	ND	ND	ND	9100E	150000	
15V	79-34-5	1,1,2,2-TETRACHLOROETHANE	UL	ND	ND	ND	ND	ND	ND	ND	ND
11V	71-55-6	1,1,1-TRICHLOROETHANE	UJ	ND	ND	ND	ND	ND	6J	UJ	UJ
14V	79-00-5	1,1,2-TRICHLOROETHANE	UL	ND	ND	ND	ND	ND	ND	ND	ND
10V	75-34-3	1,1-DICHLOROETHANE	UL	ND	ND	ND	ND	ND	ND	ND	ND
10V	107-06-2	1,2-DICHLOROETHANE	UL	ND	ND	ND	ND	ND	ND	ND	ND
16V	75-00-3	CHLOROETHANE	UL	ND	ND	ND	ND	ND	ND	ND	ND
65V	127-19-4	TETRACHLOROETHENE	UL	ND	ND	ND	ND	ND	47	ND	ND
67V	79-01-6	TRICHLOROETHENE	UL	ND	ND	ND	ND	ND	7J	ND	ND
30V	166-60-5	TRANS 1,2-DICHLOROETHENE	UL	ND	ND	ND	ND	ND	ND	ND	ND
29V	75-35-4	1,1,2-DICHLOROETHENE	UL	ND	ND	ND	ND	ND	ND	ND	ND
88V	75-01-4	VINYL CHLORIDE	UL	ND	ND	ND	ND	ND	ND	ND	ND
6V	56-23-5	CARBON TETRACHLORIDE	UJ	UJ	UJ	UJ	UJ	UJ	360	J 1700J	B 3300J
23V	67-66-3	CHLOROFORM	B 7000J	B 3BJ	B 2BJ	B 3BJ	B 1200E	B 110B	ND	ND	ND
44V	75-09-2	METHYLENE CHLORIDE	B 14000BJ	B 55B	B 46B	B 24B	B 56B	ND	ND	ND	ND
45V	74-87-3	CHLOROMETHANE	UL	ND	ND	ND	ND	ND	ND	ND	ND
32V	78-87-5	1,2-DICHLOROPROPANE	UL	ND	ND	ND	ND	ND	ND	ND	ND
33V	10061-02-6	TRANS-1,3-DICHLOROPROPENE	UL	ND	ND	ND	ND	ND	ND	ND	ND
47V	75-26-2	CHLOROFORM	UJ	UJ	UJ	UJ	UJ	UJ	ND	ND	ND
46V	74-83-9	BROMOMETHANE	UL	ND	ND	ND	ND	ND	ND	ND	ND
48V	75-27-4	BROMODICHLOROMETHANE	UL	ND	ND	ND	ND	ND	ND	ND	ND
51V	124-46-1	CHLORODIBROMOMETHANE	UL	ND	ND	ND	ND	ND	ND	ND	ND

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DRAKE CHEMICAL SITE - PHASE III RI SEDIMENTS

SAMPLE NUMBER:	DC-SD1-101	DC-SD10-110	DC-SD11-111	DC-SD12-112	DC-SD13-113	DC-SD2-102
TRAFFIC REPORT NUMBER:	CQ367	CQ377	CQ378	CQ380	CQ388	CQ368RE
FRACTION OF SOLIDS:	25.4	36.9	14.8	46.9	35.0	35.0
DILUTION FACTOR:	DL = 10.0	DL = 0.992	DL = 0.990	DL = 0.994	DL = 0.990	DL = 2.48
DESCRIPTION:						
UNITS:	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG
DATE SAMPLED:	10/30/87	10/30/87	10/30/87	10/30/87	10/30/87	10/30/87

76-15-0	CARBON DISULFIDE	UL	ND	ND	ND	ND
19V	2-CHLOROETHYL VINYL ETHER	UL	ND	ND	ND	ND
110-76-8	VINYL ACETATE	UL	ND	ND	ND	ND
108-05-4						

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DRAKE CHEMICAL SITE - PHASE III RI SEDIMENTS

SAMPLE NUMBER:

TRAFFIC REPORT NUMBER:

FRACTION OF SOLIDS:

DILUTION FACTOR:

DESCRIPTION:

UNITS:

DATE SAMPLED:

DC-SD10-101

CQ367

25.4

DL = 0.991

UG/KG

10/30/87

DC-SD10-110

CQ377

36.9

DL = 1.01

UG/KG

10/30/87

DC-SD11-111

CQ378

14.6

DL = 1.01

UG/KG

10/30/87

DC-SD12-112

CQ379

46.9

DL = 1.01

UG/KG

10/29/87

DC-SD13-113

CQ380

42.4

DL = 1.01

UG/KG

10/30/87

DC-SD2-102

CQ388

35.0

DL = 2.95

DC-SD2-102RE

CQ388RE

35.0

*** BASE/NEUTRALS ***

PP CAS NO COMPOUND

66B	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	ND	150J	390J	ND	ND
68B	84-74-2	DI-N-BUTYL PHTHALATE	ND	ND	ND	ND	ND
67B	85-68-7	BUTYL BENZYL PHTHALATE	ND	320J	ND	ND	ND
71B	131-11-3	DIMETHYL PHTHALATE	ND	180J	ND	ND	ND
7B	63-32-9	ACENAPHTHENE	ND	ND	ND	ND	ND
77B	208-96-8	ACENAPHTHYLENE	ND	150J	ND	ND	ND
78B	120-12-7	ANTHRACENE	ND	430J	ND	ND	ND
72B	56-55-3	BENZO(A)ANTHRACENE	61000J	1100	ND	ND	ND
74B	205-99-2	BENZO(B)FLUORANTHENE	ND	3300	ND	ND	ND
	207-08-9	BENZO(K)FLUORANTHENE	ND	3300	ND	ND	ND
79B	191-24-2	BENZO(G,H,I)PERYLENE	ND	890	ND	ND	ND
73B	50-32-8	BENZO(A)PYRENE	ND	1800	ND	ND	ND
76B	218-01-9	CHRYSENE	ND	2300	ND	ND	ND
62B	53-70-3	DIBENZO(A,H)ANTHRACENE	ND	440J	ND	ND	ND
39B	206-44-0	FLUORANTHENE	ND	3200	ND	ND	ND
80B	86-73-7	FLUORENE	ND	100J	ND	ND	ND
83B	193-39-5	INDENO(1,2,3-CD)PYRENE	ND	860J	ND	ND	ND
55B	91-20-3	NAPHTHALENE	ND	ND	ND	ND	ND
	91-57-6	2-METHYLNAPHTHALENE	ND	ND	ND	ND	ND
20B	91-58-7	2-CHLORONAPHTHALENE	ND	ND	ND	ND	ND
81B	85-01-8	PHENANTHRENE	ND	1400	ND	ND	ND
84B	129-00-0	PYRENE	ND	3400	ND	ND	ND
	95-50-1	1,2-DICHLOROBENZENE	ND	ND	ND	ND	ND
27B	106-46-7	1,4-DICHLOROBENZENE	7400J	ND	ND	ND	ND
6B	120-82-1	1,2,4-TRICHLOROBENZENE	76000	ND	ND	ND	ND
56B	98-05-3	NITROBENZENE	ND	ND	ND	ND	ND
9B	116-74-1	HEA(Chlorobenzene)	ND	ND	ND	ND	ND
63B	621-64-7	N-NITROSODIPOXYAMINE	ND	ND	ND	ND	ND
	86-74-4	2-NITROANILINE	ND	ND	ND	ND	ND
	99-09-2	3-NITROANILINE	ND	ND	ND	ND	ND
	100-01-6	4-NITROANILINE	ND	ND	ND	ND	ND
16B	111-44-4	BIS(2-CHLOROMETHYL)ETHER	UJ	ND	ND	ND	ND

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DRAKE CHEMICAL SITE - PHASE III RI SEDIMENTS

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DRAKE CHEMICAL SITE - PHASE III RI SEDIMENTS

SAMPLE NUMBER:	DC-SD1-101	DC-SD10-110	DC-SD11-111	DC-SD12-112	DC-SD13-113	DC-SD2-102
TRAFFIC REPORT NUMBER:	CQ367	CQ377	CQ378	CQ379	CQ380	CQ368
FRACTION OF SOLIDS:	25.4	36.9	14.8	46.9	42.4	36.0
DILUTION FACTOR:	DL = 0.991	DL = 1.01	DL = 1.01	DL = 1.01	DL = 1.01	DL = 2.95
DESCRIPTION:						
UNITS:	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG
DATE SAMPLED:	10/30/87	10/30/87	10/30/87	10/30/87	10/30/87	10/30/87
*** ACIDS ***						
PP	CAS NO	COMPOUND				
66A	108-96-2	PHENOL	UL	ND	ND	ND
	95-58-7	2-METHYLPHENOL	UL	ND	ND	ND
	106-44-5	4-METHYLPHENOL	UL	ND	ND	ND
34A	105-67-9	2,4-DIMETHYLPHENOL	L 39000J	ND	ND	ND
21A	95-57-8	2-CHLOROPHENOL	UL	ND	ND	ND
	120-33-2	2,4-DICHLOROPHENOL	UL	ND	ND	ND
31A	95-95-4	2,4,5-TRICHLOROPHENOL	UL	ND	ND	ND
	88-06-2	2,4,6-TRICHLOROPHENOL	UL	ND	ND	ND
64A	87-86-5	PENTACHLOROPHENOL	L 130000BJ	ND	ND	ND
	22A	59-50-7	4-CHLORO-3-METHYLPHENOL	UL	ND	ND
57A	88-75-5	2-NITROPHENOL	UL	ND	ND	ND
58A	100-02-7	4-NITROPHENOL	UJ	ND	ND	ND
59A	51-28-5	2,4-DINITROPHENOL	UJ	ND	ND	ND
60A	534-52-1	4,6-DINITRO-2-METHYLPHENOL	UJ	ND	ND	ND

DRAKE CHEMICAL SITE - PHASE III RI SEDIMENTS

SAMPLE NUMBER:	DC-SD1-101	DC-SD10-110	DC-SD11-111	DC-SD12-112	DC-SD13-113	DC-SD2-102
TRAFFIC REPORT NUMBER:	CQ367	CQ377	CQ378	CQ380	CQ388	CQ368
FRACTION OF SOLIDS:	25.4	36.9	14.8	46.9	35.0	35.0
DIILUTION FACTOR:	DL = 2000	DL = 2.00	DL = 1.00	DL = 1.00	DL = 1.00	DL = 10000
DESCRIPTION:						
UNITS:	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG
DATE SAMPLED:	10/30/87	10/30/87	10/30/87	10/29/87	10/30/87	10/30/87

*** PESTICIDES ***

PP	CAS NO	COMPOUND
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NO PARAMETERS FOR THIS CATEGORY

DRAKE CHEMICAL SITE - PHASE III RI SEDIMENTS

SAMPLE NUMBER:

TRAFFIC REPORT NUMBER:

FRACTION OF SOLIDS:

DILUTION FACTOR:

DESCRIPTION:

UNITS:

DATE SAMPLED:

DC-SD1-101	DC-SD10-110	DC-SD11-111	DC-SD12-112	DC-SD13-113	DC-SD2-102	DC-SD2-102RE
MCQ367	MCQ377	MCQ378	MCQ379	MCQ380	MCQ368	
25.4	36.9	14.8	46.9	42.4	35.0	
UNITS:	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG	
DATE SAMPLED:	10/30/87	10/30/87	10/30/87	10/29/87	10/30/87	10/30/87

*** INORGANICS ***

PP CAS NO COMPOUND

1	3640*	ALUMINUM	12100*	36500*	6890*	13100*
3	ND	ARSENIC	8.58	ND	27	9.4
4	[96]	BARIUM	[47]	[257]	110	154
5	ND	BERYLLIUM	[1.4]	12	2.3	ND
7	[344]	CALCIUM	[726]	[5120]	[909]	109000
8	24*	CHROMIUM	20*	26*	12*	621
9	ND	COBALT	[21]	36.3	120	20*
10	1420	COPPER	30	71	17	ND
11	10200*	IRON	36100*	34800*	26800*	31500*
12	J 1ANS	LEAD	J 27NS	J 51NS	J 57NS	5640*
13	J 6941	MAGNESIUM	[1140]	[3170]	[777]	J 13NS
14	59*	MANGANESE	172*	15200*	6060*	ND
15	0.56	MERCURY	ND	ND	ND	ND
16	[19]	NICKEL	31	372	119	0.29
17	[800]	POTASSIUM	[637]	[1680]	[626]	[1260]
18	J N	SELENIUM	J N	J N	J N	ND
21	J N	THALLIUM	J N	J N	J N	ND
23	[9.4]	VANADIUM	[10]	[113]	[13]	[5.3]
24	121	ZINC	147	1580	279	34

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DRAKE CHEMICAL SITE - PHASE III RI SEDIMENTS

DESCRIPTION: 10/30/87
UNITS: 10/30/87
DATE CANCLED: 10/30/87

GEOCHEMICAL PARAMETERS ***

PP	CAS NO	COMPOUND
		CYANIDE OIL & GREASE FENAC TOTAL SOLIDS

ND	ND	ND	ND
ND	ND	ND	ND
ND	ND	24	1500000
ND	ND	47.3%	30.7%
ND	ND	52.2%	14.6%
ND	ND	ND	ND
ND	ND	ND	ND
ND	ND	ND	ND
ND	ND	ND	ND
ND	ND	ND	ND

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AR302634

DRAKE CHEMICAL SITE - PHASE III RI SEDIMENTS

SAMPLE NUMBER: DC-SD3-103
 TRAFFIC REPORT NUMBER: CQ369
 FRACTION OF SOLIDS: 33.7
 DILUTION FACTOR: DL = 0.996
 DESCRIPTION: DUPLICATES
 UNITS: UG/KG
 DATE SAMPLED: 10/30/87

*** VOLATILES ***

PP	CAS NO	COMPOUND	B 130B	B 100B	B 29B	B 10B	B 7B	B 29BJ
67-64-1		ACETONE	R	R	R	R	R	R
78-3-3		2-BUTANONE	ND	ND	ND	ND	ND	ND
591-78-6		2-HEXANONE	ND	ND	ND	ND	ND	ND
108-10-1		4-METHYL-2-PENTANONE	ND	ND	ND	ND	ND	ND
4V	71-43-2	BENZENE	ND	ND	ND	ND	ND	ND
86V	108-98-3	TOLUENE	ND	ND	ND	ND	ND	ND
38V	100-41-4	ETHYLBENZENE	ND	ND	ND	ND	ND	ND
	95-47-6	TOTAL XYLYNES	ND	ND	ND	ND	ND	ND
	100-42-5	STYRENE	ND	ND	ND	ND	ND	ND
7V	108-90-7	CHLOROBENZENE	3J	6J	4J	2J	ND	ND
16V	79-34-5	1,1,2,2-TETRACHLOROETHANE	ND	ND	ND	ND	ND	ND
11V	71-55-6	1,1,1-TRICHLOROETHANE	ND	ND	ND	ND	ND	ND
14V	79-00-5	1,1,2-TRICHLOROETHANE	ND	ND	ND	ND	ND	ND
10V	75-34-3	1,1-DICHLOROETHANE	ND	ND	ND	ND	ND	ND
10V	107-06-2	1,2-DICHLOROETHANE	ND	ND	ND	ND	ND	ND
16V	75-00-3	CHLOROETHANE	ND	ND	ND	ND	ND	ND
86V	127-8-4	TETRACHLOROETHENE	ND	ND	ND	ND	ND	ND
87V	79-01-6	TRICHLOROETHENE	ND	ND	ND	ND	ND	ND
30V	156-60-5	TRANS-1,2-DICHLOROETHENE	ND	ND	ND	ND	ND	ND
29V	75-35-4	1,1-DICHLOROETHENE	ND	ND	ND	ND	ND	ND
88V	75-01-4	VINYL CHLORIDE	ND	ND	ND	ND	ND	ND
6V	56-23-5	CARBON TETRACHLORIDE	ND	ND	ND	ND	ND	ND
23V	67-66-3	CHLOROFORM	B JJ	ND	ND	ND	ND	ND
44V	75-09-2	METHYLENE CHLORIDE	B 76B	B 71B	ND	ND	ND	ND
45V	74-87-3	CHLOROMETHANE	ND	ND	ND	ND	ND	ND
32V	78-87-5	1,2-DICHLOROPROPANE	ND	ND	ND	ND	ND	ND
33VT	10061-02-6	TRANS-1,3-DICHLOROPROPENE	ND	ND	ND	ND	ND	ND
	33VC 10061-01-5	CIS-1,3-DICHLOROPROPENE	ND	ND	ND	ND	ND	ND
47V	75-25-2	BROMOPROPANE	ND	ND	ND	ND	ND	ND
46V	74-83-9	BROMOMETHANE	ND	ND	ND	ND	ND	ND
48V	75-27-4	BROMODICHLOROMETHANE	ND	ND	ND	ND	ND	ND
51V	124-48-1	CHLORODIBROMOMETHANE	ND	ND	ND	ND	ND	ND

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DRAKE CHEMICAL SITE - PHASE III RI SEDIMENTS

SAMPLE NUMBER:	DC-SD3-103	DC-SD3-103A	DC-SD4-104	DC-SD5-105	DC-SD6-106	DC-SD7-107
TRAFFIC REPORT NUMBER:	CQ369	CQ370	CQ371	CQ373	CQ374	CQ375
FRACTION OF SOLIDS:	33.7	32.0	39.9	65.5	47.0	25.4
DILUTION FACTOR:	DL = 0.996	DL = 0.996	DL = 0.994	DL = 0.990	DL = 0.990	DL = 0.996
DESCRIPTION:	DUPLICATE	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG
UNITS:	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG
DATE SAMPLED:	10/30/87	10/30/87	10/29/87	10/29/87	10/29/87	10/30/87
75-15-0	CARBON DISULFIDE	ND	ND	ND	ND	ND
110-75-8	2-CHLOROETHYL VINYL ETHER	ND	ND	ND	ND	ND
108-05-4	VINYL ACETATE	ND	ND	ND	ND	ND

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DRAKE CHEMICAL SITE - PHASE III RI SEDIMENTS

SAMPLE NUMBER:	DC-SD3-103	PP	DC-SD4-104	PP	DC-SD6-105	PP	DC-SD6-106	PP	DC-SD7-107
TRAFFIC REPORT NUMBER:	CQ169	CAS NO.	CQ370	CAS NO.	CQ372	CAS NO.	CQ373	CAS NO.	CQ375
FRACTION OF SOLIDS:	33.7	COMPOUND	32.0	COMPOUND	39.9	COMPOUND	65.5	COMPOUND	46.7
DILUTION FACTOR:	DL = 1.00	COMPOUND	DL = 1.01	COMPOUND	DL = 1.01	COMPOUND	DL = 1.02	COMPOUND	DL = 1.01
DESCRIPTION:	DUPLICATE	UNITS:	UG/KG	UNITS:	UG/KG	UNITS:	UG/KG	UNITS:	UG/KG
UNITS:	UG/KG	DATE SAMPLED:	10/30/87	UNITS:	UG/KG	DATE SAMPLED:	10/29/87	UNITS:	UG/KG
UNITS:	UG/KG	DATE SAMPLED:	10/30/87	UNITS:	UG/KG	DATE SAMPLED:	10/29/87	UNITS:	UG/KG
66B 117-01-7	BIS(2-ETHYLHEXYL)PHthalate	310J	J 230J	110J	J 71J	J 160J	J 320J	170J	ND
68B 84-74-2	DI-N-BUTYL PHthalate	ND	ND	ND	UJ	ND	UJ	ND	ND
67B 85-68-7	BUTYL BENZYL PHthalate	J 120J	J 99J	ND	UJ	ND	UJ	ND	ND
71B 131-11-3	DIMETHYL PHthalate	ND	ND	ND	ND	ND	ND	ND	ND
1B 83-32-9	ACENAPHTHENE	150J	ND	170J	ND	ND	ND	ND	ND
77B 203-96-8	ACENAPHTHYLENE	200J	ND	ND	ND	ND	ND	ND	ND
78B 120-12-7	ANTHRACENE	330J	190J	270J	ND	150J	120J	ND	ND
72B 56-55-3	BENZO(A)ANTHRACENE	1400	1900	1200	1800	550J	130J	ND	ND
74B 205-99-2	BENZO(B)FLUORANTHENE	3300	1800	1600	290J	630J	230J	260J	260J
207-08-9	BENZO(K)FLUORANTHENE	3300	1800	1600	290J	630J	230J	260J	260J
79B 191-24-2	BENZO(G,H,I)PERYLENE	860J	530J	430J	73J	140J	70J	ND	ND
73B 50-32-8	BENZO(A)PYRENE	1100	680J	740	130J	300J	130J	ND	ND
76B 216-01-9	CHRYSENE	1900	1900	980	190J	430J	140J	ND	ND
62B 53-70-3	DIBENZO(A,1')ANTHRACENE	260J	230J	230J	ND	ND	ND	ND	ND
39B 206-44-0	FLUORANTHENE	2900	1300	2300	320J	1100	180J	240J	240J
80B 86-73-7	FLUORENE	290J	130J	110J	ND	ND	ND	ND	ND
83B 193-39-5	INDENO(1,2,3-CD)PYRENE	740J	510J	410J	67J	120J	ND	ND	ND
55B 91-20-3	NAPHTHALENE	370J	250J	ND	ND	ND	ND	ND	ND
91-17-6	2-METHYLNAPHTHALENE	280J	J 120J	ND	UJ	ND	UJ	ND	ND
20B 91-58-7	2-CHLORONAPHTHALENE	ND	ND	ND	UJ	ND	UJ	ND	ND
81B 85-01-8	PHENANTHRENE	1300	680J	1400	260J	590J	270J	260J	260J
64B 129-00-0	PYRENE	1600	990	1500	340J	1000	200J	70J	ND
95-50-1	1,2-DICHLOROBENZENE	2200	1500	ND	ND	190J	ND	ND	ND
27B 106-66-7	1,4-DICHLOROBENZENE	290J	180J	ND	ND	ND	ND	ND	ND
6B 120-52-1	1,2,4-TRICHLOROBENZENE	170J	ND	ND	ND	ND	ND	ND	ND
56B 98-95-3	NITROBENZENE	210J	J 100J	ND	UJ	UJ	UJ	ND	ND
9B 118-74-1	HEXACHLOROBENZENE	UJ	ND	ND	ND	ND	ND	ND	ND
63B 621-64-7	M-NITROSODIOPROPYLAMINE	ND	UJ	ND	UJ	ND	UJ	ND	ND
88-74-4	2-NITROANILINE	ND	UJ	ND	UJ	ND	UJ	ND	ND
99-09-2	3-NITROANILINE	ND	ND	ND	ND	ND	ND	ND	ND
100-01-6	4-NITROANILINE	ND	UJ	ND	UJ	ND	UJ	ND	ND
18B 111-44-4	BIS(2-CHLOROETHYL)ETHER	UJ	UJ	ND	UJ	ND	UJ	ND	ND

AR302637

DRAKE CHEMICAL SITE - PHASE III RI SEDIMENTS

SAMPLE NUMBER:	DC-SD3-103	DC-SD3-103A	DC-SD4-104	DC-SD5-105	DC-SD6-106	DC-SD7-107
TRAFFIC REPORT NUMBER:	CQ369	CQ370	CQ371	CQ373	CQ374	CQ375
FRACTION OF SOLIDS:	33.7	32.0	39.9	65.5	47.0	45.7
DILUTION FACTOR:	DL = 1.00	DL = 1.01	DL = 1.01	DL = 1.01	DL = 1.02	DL = 1.01
DESCRIPTION:	DUPLICATE					
UNITS:	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG
DATE SAMPLED:	10/30/87	10/30/87	10/29/87	10/29/87	10/29/87	10/29/87
42B 39638-32-9 BIS(2-CHLOROISOPROPYL)ETHER	UJ	UJ	ND	UJ	UJ	ND
52B 87-58-3 HEIACHLOROBUTADIENE	ND	ND	ND	ND	ND	ND
63B 77-67-4 HEIACHLOROCYCLOPENTADIENE	UJ	ND	ND	ND	ND	ND
65-85-0 BENZOIC ACID	UJ	J 450J	UJ	ND	ND	920J
100-51-6 BENZYL ALCOHOL	UJ	ND	UJ	UJ	UJ	UJ
43B 111-91-1 BIS(2-CHLOROETHOKY)METHANE	UJ	ND	UJ	UJ	UJ	ND
132-64-9 DIBENZOFURAN	280J	120J	72J	ND	ND	ND
12B 67-72-1 HEIACHLOROETHANE	UJ	ND	UJ	UJ	ND	ND
54B 78-59-1 ISOPHORONE	ND	ND	UJ	ND	UJ	ND

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AR302638

DRAKE CHEMICAL SITE - PHASE III RI SEDIMENTS

SAMPLE NUMBER: TRAFFIC REPORT NUMBER:
FRACTION OF SOLDIS:
DILUTION FACTOR:
DESCRIPTION:
UNITS:

DC-9D3-103
CQ369
33.7
DL = 1.00
UG/MG

DC-SD3-103	DC	DC
CQ369	CQ	CQ
33.7	32	32
DL = 1.00	DL	DL
UG/KG	UG	UG

SD3-103A	DC-SD4-104	UG/KG
70	C9371	
0	39.9	
± 1.01	DL = 1.01	
	PLICATE	KG

UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG
DC-SD5-105	DC-SD6-106	DC-SD7-107	DC-SD8-108	CQ375	CQ376
CQ372	CQ373	CQ374	CQ375	65.5	65.4
DL = 1.01	DL = 1.02	DL = 1.01	DL = 1.01	DL = 1.01	DL = 1.01

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PP CAS NO COMPOUND

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AR302639

DRAKE CHEMICAL SITE - PHASE III RI SEDIMENTS

SAMPLE NUMBER:	DC-SD3-103	DC-SD3-103A	DC-SD4-104	DC-SD5-105	DC-SD6-106	DC-SD7-107	DC-SD8-108
TRAFFIC REPORT NUMBER:	CQ369	CQ370	CQ371	CQ372	CQ373	CQ374	CQ375
FRACTION OF SOLIDS:	33.7	32.0	39.9	65.5	47.0	45.7	26.4
DL. =	4.00	DL = 4.00	DL = 4.00	DL = 2.00	DL = 2.00	DL = 2.00	DL = 1.00
DILUTION FACTOR:			DUPLICATE				
DESCRIPTION:	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG
UNITS:	10/30/87	10/30/87	10/29/87	10/29/87	10/29/87	10/29/87	10/30/87
DATE SAMPLED:							

*** PESTICIDES ***

PP	CAS NO	COMPOUND
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NO PARAMETERS FOR THIS CATEGORY

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J

AR302640

DRAKE CHEMICAL SITE - PHASE III RI SEDIMENTS

SAMPLE NUMBER:	DC-SD3-103	TRAFFIC REPORT NUMBER:	DC-SD3-103A	FRACTION OF SOLIDS:	DC-SD4-104	DILUTION FACTOR:	DC-SD5-106	DESCRIPTION:	DC-SD7-107
UNITS:	MCQ369	UNITS:	MCQ370	UNITS:	MCQ371	UNITS:	MCQ373	UNITS:	MCQ374
DATE SAMPLED:	33.7	DATE SAMPLED:	32.0	DATE SAMPLED:	39.9	DATE SAMPLED:	65.5	DATE SAMPLED:	45.7
PP	CAS NO	COMPOUND	PP	CAS NO	COMPOUND	PP	CAS NO	COMPOUND	

*** INORGANICS ***

1	8720*	ALUMINUM	10500*	87200*	ARSENIC	12200*	8830*	ALUMINUM
3	17	BARIUM	20	11	BERYLLIUM	141	5.5	24
4	120	CALCIUM	136	95	CHROMIUM	3.8	96	6.4
5	[0.5]	COBALT	[0.5]	2.8	COBALT	220	3.6	84
7	48800	COPPER	31100	[1530]	COPPER	81*	23*	11871
8	69*	IRON	81*	8.6*	IRON	114	147	7.6
9	[1.3]	LEAD	[14]	180	LEAD	54	62	30*
10	54	MAGNESIUM	56	22	MAGNESIUM	24800*	22	142201
11	24800*	MANGANESE	28500*	28800*	MANGANESE	2.4	62	30*
12	J 113N	MERCURY	J 141N	J 47N9	MERCURY	ND	ND	234
13	[1940]	NICKEL	[2290]	[1320]	NICKEL	ND	ND	50
14	313*	POTASSIUM	337*	[250]	POTASSIUM	0.49	0.64	ND
15	0.82	SELENIUM	ND	ND	SELENIUM	36	164	ND
16	33	THALLIUM	115	182	THALLIUM	36	160	253
17	[810]	VANADIUM	[935]	[810]	VANADIUM	115	1782	[1340]
18	J N	ZINC	J N	J N	ZINC	103	J N	J N
21	J N	ZINC	J N	J N	ZINC	343	J N	J N
23	103	ZINC	114	[15]	ZINC	324	[17.4]	[120]
24	24	ZINC	467	446	ZINC	604	518	930

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AR30264

DRAKE CHEMICAL SITE - PHASE III RI SEDIMENTS

SAMPLE NUMBER:	DC-9D3-103	DC-9D3-104	DC-9D6-105	DC-9D7-107
TRAFFIC REPORT NUMBER:	MC1369	MCQ370	MCQ373	MCQ374
FRACTION OF SOLIDS:	33.7	32.0	65.5	45.7
DIUTINION FACTOR:	FEX120/B-NX1	FEX120/B-NX1	FEX120/B-NX1	FEX120/B-NX1
DESCRIPTION:	DUPLICATE			

SAMPLE NUMBER: TRAFFIC REPORT NUMBER:
FRACTION OF SOLIDS:
DILUTION FACTOR:
DESCRIPTION:

*** GEOCHEMICAL PARAMETERS ***

pp CAS NO COMPOUND

	ND	ND	ND	ND	ND
CYANIDE	ND	ND	ND	ND	ND
OIL & GREASE	0.3%	0.6%	0.5%	ND	ND
FENAC	740	3600	82	27	190
TOTAL SOLIDS	36.0%	34.0%	41.2%	69.0%	45.0%
					49.3%
					50.3%

CYANIDE
OIL & GREASE
PENAC
TOTAL SOLIDS

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AR302642

BRAKE CHEMICAL SITE - PHASE III RI SEDIMENTS

SAMPLE NUMBER: DC-3D9-109
 TRAFFIC REPORT NUMBER: CQ376
 FRACTION OF SOLIDS: 23.1
 DILUTION FACTOR: DL = 0.990
 DESCRIPTION: BOTTLE BLANK
 UNITS: ug/kg
 DATE SAMPLED: 10/29/87

DC-3D9B-101 CQ383
 DL = 0.990 RINSATE BLK
 ug/kg 10/29/87

DC-3DTB-101 CQ385
 DL = 1.00 TRIP BLANK
 ug/kg 10/30/87

*** VOLATILES ***

PP	CAS NO	COMPOUND	TEST	RESULT
			B 37BJ	B 51B
67-64-1	ACETONE	R	R	R
78-93-3	2-BUTANONE	UJ	UJ	UL
591-78-6	2-HEXANONE	UJ	UJ	UL
106-10-1	4-METHYL-2-PENTANONE	ND	ND	UL
4V	71-43-2 BENZENE	ND	ND	UL
86V	108-88-3 TOLUENE	ND	ND	L 2J
38V	100-41-4 ETHYL BENZENE	ND	ND	ND
	95-47-6 TOTAL XYLENES	ND	UJ	UL
	100-42-5 STYRENE	ND	UJ	UL
7V	108-90-7 CHLOROBENZENE	ND	ND	UL
15V	79-34-5 1,1,2,2-TETRACHLOROETHANE	ND	ND	UL
11V	71-55-6 1,1,1-TRICHLOROETHANE	ND	ND	UL
14V	79-00-5 1,1,2-TRICHLOROETHANE	ND	ND	UL
10V	75-34-3 1,1-DICHLOROETHANE	ND	ND	UL
10V	107-06-2 1,2-DICHLOROETHANE	ND	ND	UL
16V	75-00-3 CHLOROETHANE	ND	ND	UL
85V	127-18-4 TETRACHLOROETHANE	ND	ND	UL
87V	79-01-6 TRICHLOROETHANE	ND	ND	UL
30V	156-60-5 TRANS-1,2-DICHLOROETHENE	ND	ND	UL
29V	75-35-4 1,1-DICHLOROETHENE	ND	ND	UL
88V	75-01-4 VINYL CHLORIDE	ND	ND	UL
6V	56-23-5 CARBON TETRACHLORIDE	UJ	UJ	UL
23V	67-66-3 CHLOROFORM	B 12J	B 3Bj	L 5B
44V	75-09-2 METHYLENE CHLORIDE	B 74B	B 50B	B 34B
45V	74-87-3 CHLORMETHANE	ND	ND	UL
32V	76-87-5 1,2-DICHLOROPROPANE	ND	ND	UL
33VT	10061-02-6 TRANS-1,3-DICHLOROPROPENE	ND	ND	UL
33VC	10061-01-5 CIS-1,3-DICHLOROPROPENE	ND	ND	UL
47V	75-25-2 BROMOFORM	ND	ND	ND
46V	74-83-9 BROMOMETHANE	ND	ND	UL
48V	75-27-4 BROMODICHLOROMETHANE	ND	ND	UL
51V	124-48-1 CHLORODIBROMOMETHANE	ND	ND	ND

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AR302643

DAKE CHEMICAL SITE - PHASE III RI SEDIMENTS

SAMPLE NUMBER:	DC-S09-109	DC-S09B-101	DC-S09B-101	DC-S09B-101
TRAFFIC REPORT NUMBER:	CQ376	CQ382	CQ383	CQ385
FRACTION OF SOLIDS:	23.1			
DILUTION FACTOR:	DL = 0.990	DL = 0.996	DL = 0.990	DL = 1.00
DESCRIPTION:	BOTTLE BLANK	RIMBATE BLK	TRIP BLANK	
UNITS:	UG/KG	UG/KG	UG/KG	UG/KG
DATE SAMPLED:	10/29/87	10/30/87	10/29/87	10/30/87

76-16-0	CARBON DISULFIDE	ND	ND	ND
19V	110-76-8	2-CHLOROETHYL VINYL ETHER	ND	ND
	106-05-4	VINYL ACETATE	UJ	UL

DRAKE CHEMICAL SITE - PHASE III RI SEDIMENTS

SAMPLE NUMBER: DC-SD9-109
 TRAFFIC REPORT NUMBER: CQ376
 FRACTION OF SOLIDS: 23.1
 DILUTION FACTOR: DL = 1.02
 DESCRIPTION: BOTTLE BLANK
 UNITS: ug/kg
 DATE SAMPLED: 10/29/87

SAMPLE NUMBER: DC-SD9B-101
 TRAFFIC REPORT NUMBER: CQ382
 FRACTION OF SOLIDS: 23.1
 DILUTION FACTOR: DL = 1.02
 DESCRIPTION: RINSATE BLK
 UNITS: ug/kg
 DATE SAMPLED: 10/30/87

SAMPLE NUMBER: DC-SDTB-101
 TRAFFIC REPORT NUMBER: CQ385
 FRACTION OF SOLIDS: 23.1
 DILUTION FACTOR: DL = 1.01
 DESCRIPTION: TRIP BLANK
 UNITS: ug/kg
 DATE SAMPLED: 10/30/87

*** BASIC/NEUTRALS ***

PP CAS NO COMPOUND

66B	117-81-7	BIS(2-ETHYLHEXYL)PHthalate	460J	ND									
66B	84-74-2	DI-N-BUTYL PHthalate	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
67B	65-68-7	BUTYL BENZYL PHthalate	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
71B	131-11-3	DIMETHYL PHthalate	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1B	83-32-9	ACENAPHTHENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
77B	208-96-8	ACENAPHTHYLENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
78B	120-12-7	ANTHRACENE	230J	ND									
72B	56-56-3	BENZO(A)ANTHRACENE	380J	ND									
74B	205-99-2	BENZO(B)FLUORANTHENE	1500	ND									
	207-08-9	BENZO(K)FLUORANTHENE	1500	ND									
79B	191-24-2	BENZO(G,H,I)PERYLENE	460J	ND									
73B	50-32-8	BENZO(A)PYRENE	760J	ND									
76B	218-01-9	CHRYSENE	1000J	ND									
62B	53-70-3	DIBENZO(A,H)ANTHRACENE	200J	ND									
39B	206-44-0	FLUORANTHENE	1200J	ND									
80B	86-73-7	FLUORENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
63B	193-39-5	INDENO(1,2,3-CD)PYREN	430J	ND									
55B	91-20-3	NAPHTHALENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	91-57-6	2-METHYLNAPHTHALENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
20B	91-58-7	2-CHLORONAPHTHALENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
91B	85-01-8	PHENANTHRENE	660J	ND									
84B	129-00-0	PYRENE	1500	ND									
	95-50-1	1,2-DICHLOROBENZENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
27B	106-66-7	1,4-DICHLOROBENZENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
8B	120-82-1	1,2,4-TRICHLOROBENZENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
56B	98-99-3	NITROBENZENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
9B	118-74-1	HEA(4-CHLOROBENZENE)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
63B	621-64-7	N-NITROSODI PROPYLAMINE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	86-74-4	2-NITROANILINE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
99-09-2	3-NITROANILINE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
100-01-6	4-NITROANILINE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
18B	111-44-4	BIS(2-CHLOROETHYL)ETHER	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

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AR302645

DRAKE CHEMICAL SITE - PHASE III RI SEDIMENTS

SAMPLE NUMBER:	DC-SD9-109	DC-SDRB-101	DC-SDRB-101	DC-SDRB-101
TRAFFIC REPORT NUMBER:	CQ376	CQ382	CQ383	CQ385
FRACTION OF SOLIDS:	23.1			
DILUTION FACTOR:	DL = 1.02	DL = 1.02	DL = 1.01	TRIP BLANK
DESCRIPTION:	BOTTLE BLANK	RINSATE BULK	TRIP BLANK	
UNITS:	UG/KG	UG/KG	UG/KG	UG/KG
DATE SAMPLED:	10/29/87	10/30/87	10/29/87	10/30/87

42B	39638-32-9	BIS(2-CHLOROISOPROPYL)ETHER	ND	ND	ND
52B	87-68-3	HEXACHLOROBUTADIENE	ND	ND	ND
53B	77-47-4	HEXACHLOROCYCLOPENTADIENE	ND	ND	ND
	65-85-0	BENZOIC ACID	UJ	ND	ND
	100-51-6	BENZYL ALCOHOL	ND	ND	ND
43B	111-91-1	BIS(2-CHLOROETHoxy)METHANE	ND	ND	ND
	132-64-9	DI BENZOFURAN	ND	ND	ND
12B	67-72-1	HEXACHLOROETHANE	ND	ND	ND
54B	78-59-1	ISOPHORONE	ND	ND	ND

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AR302646

DRAKE CHEMICAL SITE - PHASE III RI SEDIMENTS

SAMPLE NUMBER:	DC-SD9-109	DC-SDBB-101	DC-SDBB-101
TRAFFIC REPORT NUMBER:	CQ376	CQ382	CQ385
FRACTION OF SOLIDS:	23.1		
DILUTION FACTOR:	DL = 1.02	DL = 1.02	DL = 1.01
DESCRIPTION:		BOTTLE BLANK	RINSATE BLK
UNITS:	UG/KG	UG/KG	UG/KG
DATE SAMPLED:	10/29/87	10/30/87	10/29/87
			TRIP BLANK
			UG/KG
			10/30/87

ACIDS 43

PP CAS NO COMPOUND

		PHENOL
65A	108-95-2	2-METHYLPHENOL
	95-48-7	2-METHYLPHENOL
	106-44-5	4-METHYLPHENOL
	105-67-9	2,4-DIMETHYLPHENOL
34A	95-57-8	2-CHLOROPHENOL
	21A	2,4-DICHLOROPHENOL
	31A	2,4,6-TRICHLOROPHENOL
	95-95-4	2,4,6-TRICHLOROPHENOL
	88-06-2	2,4,6-TRICHLOROPHENOL
	64A	PENTACHLOROPHENOL
	22A	4-CHLORO-3-METHYLPHENOL
	57A	68-75-5
	58A	100-02-7
	59A	51-28-5
	60A	53-52-1
		2-NITROPHENOL
		4-NITROPHENOL
		2,4-DINITROPHENOL
		4,6-DINITRO-2-METHYLPHENOL

AR302647

DRAKE CHEMICAL SITES - PHASE III RI SEDIMENTS

SAMPLE NUMBER:	DC-SDBB-109	DC-SDBB-101	DC-SDBB-101	DC-SDTB-101
TRAPIC REPORT NUMBER:	CQ376	CQ382	CQ383	CQ385
FRACTION OF SOLIDS:	23.1			
DLUTION FACTOR:	DL = 1	DL = 1	DL = 1	DL = 1
DESCRIPTION:	BOTTLE BLANK	BOTTLE BLANK	RINSATE BLK	TRIP BLANK
UNITS:	UG/KG	UG/KG	UG/KG	UG/KG
DATE SAMPLED:	10/29/87	10/30/87	10/29/87	10/30/87

*** PESTICIDES ***

PP CAS NO COMPOUND

NO PARAMETERS FOR THIS CATEGORY

H-55

AR302648

DRAKE CHEMICAL SITE - PHASE III RI SEDIMENTS

SAMPLE NUMBER:	DC-SDRB-109	DC-SDRB-101	DC-SDRB-101	DC-SDRB-101
TRAFFIC REPORT NUMBER:	MCQ376	MCQ382	MCQ383	
FRACTION OF SOLIDS:	22.2			
DILUTION FACTOR:				
DESCRIPTION:	FEI1/B-NX1	FEI1/B-NX1		
UNITS:	BOTTLE BLANK	RINSATE BLK	TRIP BLANK	
DATE SAMPLED:	10/29/87	10/30/87	10/29/87	10/30/87

*** GEOCHEMICAL PARAMETERS ***

PP	CAS NO	COMPOUND		
			ND	ND
		CYANIDE	ND	ND
		OIL & GREASE	NA	ND
		FENAC	ND	ND
		TOTAL SOLIDS	23.1X	NA

H-57

AR302650

DRAKE CHEMICAL SITE - PHASE III RI SOILS (BOTTLE BLANKS)

SAMPLE NUMBER:

TRAFFIC REPORT NUMBER:

MOISTURE CORRECTION:

DILUTION FACTOR:

SAMPLE LOCATION:

UNITS:

DATE SAMPLED:

BB-1

BB-1

BB-2

BB-2

BB-3

BB-3

BB-4

BB-4

BB-5

BB-5

NA

NA

NA

NA

NA

NA

BB1

BB2

BB3

BB3

BB4

BB4

BB5

BB5

UG/KG

UG/KG

UG/KG

UG/KG

UG/KG

UG/KG

11/17/87

11/23/87

11/23/87

11/23/87

11/23/87

11/23/87

*** VOLATILES ***

PP CAS NO COMPOUND

4V	71-43-2	BENZENE	<DL	<DL	4J
86V	108-88-3	TOLUENE	<DL	8.7	18.26
38V	100-41-4	ETHYL BENZENE	<DL	<DL	22.22
7V	108-90-7	CHLOROBENZENE	<DL	5.9	1.5
10V	107-06-2	1,2-DICHLOROETHANE	<DL	10.42	30.39
87V	79-01-6	TRICHLOROETHENE	<DL	2.7	6.98
23V	67-66-3	CHLOROFORM	<DL	ND	10.42
			48J	ND	37.00
				<DL	43.46

H-58

AR302651

DRAKE CHEMICAL SITE - PHASE III RI SOILS (BOTTLE BLANKS)

SAMPLE NUMBER:	BB-1	BB-2	BB-3	BB-4	BB-5
TRAFFIC REPORT NUMBER:	NA	NA	NA	NA	NA
MOISTURE CORRECTION:					
DILUTION FACTOR:					
SAMPLE LOCATION:	BB1 UG/KG	BB2 UG/KG	BB3 UG/KG	BB4 UG/KG	BB6 UG/KG
UNITS:	11/17/87	11/23/87	11/23/87	11/23/87	11/23/87
DATE SAMPLED:					

*** BASE/NEUTRALS ***

PP	CAS NO	COMPOUND
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27B 106-46-7 1,4-DICHLOROBENZENE

<DL <DL <DL <DL

H - 59

AR302652

DRAKE CHEMICAL SITE - PHASE III RI SOILS (BOTTLE BLANKS)

SAMPLE NUMBER:	BB-1	BB-2	BB-3	BB-4	BB-5
TRAFFIC REPORT NUMBER:	NA	NA	NA	NA	NA
HUMIDITY CORRECTION:					
DIILUTION FACTOR:					
SAMPLE LOCATION:	BB1	BB2	BB3	BB4	BB5
UNITS:	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG
DATE SAMPLED:	11/17/87	11/23/87	11/23/87	11/23/87	11/23/87

*** ACIDS ***

PP CAS NO COMPOUND

NO PARAMETERS FOR THIS CATEGORY

DRAKE CHEMICAL SITE - PHASE III RI SOILS (BOTTLE BLANKS)

SAMPLE NUMBER:	BB-1	BB-2	BB-3	BB-4	BB-5
TRAFFIC REPORT NUMBER:	NA	NA	NA	NA	NA
MOISTURE CORRECTION:					
DILUTION FACTOR:	BB1	BB2	BB3	BB4	BB5
SAMPLE LOCATION:	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG
UNITS:	11/17/87	11/23/87	11/23/87	11/23/87	11/23/87
DATE SAMPLED:					

*** PESTICIDES ***

PP CAS NO COMPOUND

NO PARAMETERS FOR THIS CATEGORY

DRAKE CHEMICAL SITE - PHASE III RI SOILS (BOTTLE BLANKS)

SAMPLE NUMBER:	BB-1	BB-2	BB-3	BB-4	BB-5
TRAFFIC REPORT NUMBER:					
MOISTURE CORRECTION:					
DILUTION FACTOR:					
SAMPLE LOCATION:					
UNITS:					
DATE SAMPLED:	11/17/87	11/23/87	11/23/87	11/23/87	11/23/87

*** INORGANICS ***

PP	CAS NO	COMPOUND

NO PARAMETERS FOR THIS CATEGORY

DRAKE CHEMICAL SITE - PHASE III RI SOILS (BOTTLE BLANKS)

SAMPLE NUMBER:	BB-1	BB-2	BB-3	BB-4	BB-5
TRAFFIC REPORT NUMBER:					
MOISTURE CORRECTION:					
DILUTION FACTOR:					
SAMPLE LOCATION:					
UNITS:	11/17/87	11/23/87	11/23/87	11/23/87	11/23/87
DATE SAMPLED:					

*** GEOCHEMICAL PARAMETERS ***

PP	CAS NO	COMPOUND

NO PARAMETERS FOR THIS CATEGORY

H - 63

AR302656

APPENDIX H-3

FIXED-BASE ANALYSES

- **SOIL DATA**
- **ASSOCIATED BLANK DATA**

AR302657

DRAKE CHEMICAL SITE - PHASE III RI SOILS (FIXED BASE)

SAMPLE NUMBER:

TRAFFIC REPORT NUMBER:

FRACTION OF SOLIDS:

DILUTION FACTOR:

X MOISTURE/% SOLID/ OR DESCRIPTION:

UNITS:

DATE SAMPLED:

*** VOLATILES ***

PP CAS NO COMPOUND -----

67-64-1		ACETONE	R 24000BJ	J 24	J 31	L 100B	J 4J	UJ 18
78-93-3		2-BUTANONE	R 5J	R 10J	UL	UL	R	ND
591-18-6		2-HEXANONE	UJ	UJ	UL	UL	UJ	ND
108-10-1		4-METHYL-2-PENTANONE	R	UJ	UL	UL	UJ	ND
4V	71-43-2	BENZENE	R	ND	ND	ND	ND	ND
86V	108-88-3	TOLUENE	R	ND	ND	ND	ND	ND
38V	100-41-4	ETHYL BENZENE	R	ND	ND	ND	ND	ND
95-47-6		TOTAL XYLEMES	R	ND	ND	ND	ND	ND
100-42-5		STYRENE	R	ND	ND	ND	ND	ND
7V	108-80-7	CHLOROBENZENE	R 430000	6J	3J	L 12	15	14
15V	79-34-5	1,1,2,2-TETRACHLOROETHANE	R	ND	ND	UL	ND	ND
11V	71-55-6	1,1,1-TRICHLOROETHANE	R	ND	ND	UL	ND	ND
14V	79-00-5	1,1,2-TRICHLOROETHANE	R	ND	ND	UL	ND	ND
10V	75-34-3	1,1-DICHLOROETHANE	R	ND	ND	UL	ND	ND
10V	107-06-2	1,2-DICHLOROETHANE	R	13	ND	UL	ND	ND
16V	75-00-3	CHLOROETHANE	R	UJ	UL	UL	UJ	ND
85V	127-18-4	TETRACHLOROETHENE	R	ND	ND	UL	ND	ND
87V	79-01-6	TRICHLOROETHENE	R	ND	ND	UL	ND	ND
30V	156-60-6	TRANS-1,2-DICHLOROETHENE	R	ND	ND	UL	ND	ND
29V	76-35-4	1,1-DICHLOROETHENE	R	ND	ND	UL	ND	ND
88V	75-01-4	VINYL CHLORIDE	R	ND	ND	UL	ND	ND
6V	56-23-5	CARBON TETRACHLORIDE	R	ND	ND	UL	ND	ND
23V	67-66-3	CHLOROFORM	R	ND	ND	UL	ND	ND
44V	76-09-2	METHYLENE CHLORIDE	R 42000B	B 11B	B 7B	J 15B	B 4B	ND
45V	74-87-3	CHLOROMETHANE	R	ND	ND	UL	ND	ND
32V	78-87-5	1,2-DICHLOROPROPANE	R	ND	ND	UL	ND	ND
33V	10061-02-6	TRANS-1,3-DICHLOROPROPENE	R	UJ	UL	UL	UJ	ND
33VC	10061-01-5	CIS-1,3-DICHLOROPROPENE	R	ND	ND	UL	ND	ND
47V	75-25-2	BROMOFORM	R	ND	ND	UL	ND	ND
46V	74-83-9	BROMODI CHLOROMETHANE	R	UJ	UL	UL	UJ	ND
48V	75-27-4	BROMODI BROMOMETHANE	R	ND	ND	UL	ND	ND
51V	124-48-1	CHLORODI BROMOMETHANE	R	ND	ND	UL	ND	ND

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AR302658

DRAKE CHEMICAL SITE - PHASE III RI SOILS (FIXED BASE)

SAMPLE NUMBER:	DCBFB16-1013	DCBFB24-1014	DCBFB25-1016	DCBFB28-14165	DCBFB31-1216	DCBFB32-1014	DCBFB32-1014RE
TRAFFIC REPORT NUMBER:	CN495	CN494	CN496	CN278	CN496	CN493	
FRACTION OF SOLIDS:							
DILUTION FACTOR:	DL = 0.323	DL = 12.39	DL = 13.45	DL = 12.94	DL = 3.020	DL = 12.49	
X MOISTURE/X SOLID/ OR DESCRIPTION:	37 UG/KG	18.0 UG/KG	17.0 UG/KG	12 UG/KG	17.0 UG/KG	21.9 UG/KG	
UNITS:	11/21/87	11/18/87	11/18/87	11/23/87	11/18/87	11/19/87	11/20/87
DATE SAMPLED:							

*** BASE/NEUTRALS ***

PP	CAS NO	COMPOUND					
66B	117-91-7	BIS(2-ETHYLHEXYL)PHTHALATE	ND	ND	ND	ND	ND
68B	84-74-2	DI-N-BUTYL PHTHALATE	ND	ND	ND	ND	ND
67B	95-68-7	BUTYL BENZYL PHTHALATE	ND	ND	ND	ND	ND
77B	208-96-8	ACENAPHTHYLENE	ND	ND	ND	ND	ND
78B	120-12-7	ANTHRACENE	ND	ND	ND	ND	ND
72B	56-55-3	BENZO(A)ANTHRACENE	5000J	ND	ND	ND	ND
74B	205-99-2	BENZO(B)FLUORANTHENE	ND	ND	ND	ND	ND
	207-08-9	BENZO(K)FLUORANTHENE	ND	ND	ND	ND	ND
79B	191-24-2	BENZO(G,H,I)PERYLENE	ND	ND	ND	ND	ND
73B	50-32-8	BENZO(A)PYRENE	ND	ND	ND	ND	ND
76B	218-01-9	CHRYSENE	ND	ND	ND	ND	ND
82B	53-70-3	DI BENZO(A,H)ANTHRACENE	ND	ND	ND	ND	ND
39B	206-94-0	FLUORANTHENE	ND	ND	ND	ND	ND
80B	86-77-7	FLUORENE	ND	ND	ND	ND	ND
83B	193-39-5	INDENO(1,2,3-CD)PYRENE	ND	ND	ND	ND	ND
65B	91-20-3	NAPHTHALENE	ND	ND	ND	ND	ND
	91-57-6	2-METHYLNAPHTHALENE	ND	ND	ND	ND	ND
81B	85-01-8	PHENANTHRENE	ND	ND	ND	ND	ND
84B	129-90-0	PYRENE	ND	ND	ND	ND	ND
	95-50-1	1,2-DICHLOROBENZENE	ND	ND	ND	ND	ND
26B	541-73-1	1,3-DICHLOROBENZENE	ND	ND	ND	ND	ND
27B	106-46-7	1,4-DICHLOROBENZENE	ND	ND	ND	ND	ND
6B	120-92-1	1,2,4-TRICHLOROBENZENE	6900J	ND	ND	ND	ND
56B	98-95-3	NITROBENZENE	ND	ND	ND	ND	ND
	99-09-2	3-NITROANILINE	R	ND	ND	ND	ND
	100-01-6	4-NITROANILINE	48000J	ND	ND	ND	ND
	106-47-6	4-CHLOROANILINE	UJ	ND	ND	ND	ND
53B	77-47-4	HEXACHLOROCYCLOPENTADIENE	ND	ND	ND	ND	ND
28B	91-94-1	3,3'-DICHLOROBENZIDINE	R	ND	ND	ND	ND
	65-85-0	BENZOIC ACID	ND	ND	ND	ND	ND
	100-51-6	BENZYL ALCOHOL	ND	ND	ND	ND	ND
	132-64-9	DIBENZOTURAN	ND	ND	ND	ND	ND

T-66

AR302660

DRAKE CHEMICAL SITE - PHASE III RI SOILS (FIXED BASE)

SAMPLE NUMBER:	DCBPFB15-1013	DCBPFB24-1014	DCBPFB25-1015	DCBPFB26-14166	DCBPFB31-1216	DCBPFB32-1014
TRAFFIC REPORT NUMBER:	CR268	CR495	CR494	CR278	CR496	CM493
FRACTION OF SOLIDS:						
DILUTION FACTOR:	DL = 0.323	DL = 12.39	DL = 13.45	DL = 12.94	DL = 3.020	DL = 12.49
X MOISTURE/% SOLID/ OR DESCRIPTION:	37	18.0	17.0	12	17.0	21.9
UNITS:	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG
DATE SAMPLED:	11/21/87	11/18/87	11/18/87	11/23/87	11/18/87	11/19/87

AR302661

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DRAKE CHEMICAL SITE - PHASE III RI SOILS (FIXED BASE)

SAMPLE NUMBER: DCBFB15-1013 **TRAFFIC REPORT NUMBER:** DCBFB32-1014
FRACTION OF SOLIDS: CM268 **DL DILUTION FACTOR:** 0.0015
W % MOISTURE/X SOLID/ OR DESCRIPTION:
 37 16.0 DL = 0.1345
 UG/KG CM494 DL = 0.1294
UNITS: UG/KG **DATE SAMPLED:** 11/21/87
UNIT: UG/KG **DATE SAMPLED:** 11/18/87
UNIT: UG/KG **DATE SAMPLED:** 11/19/87
UNIT: UG/KG **DATE SAMPLED:** 11/19/87

PESTICIDES ***

PP	CAS NO	COMPOUND
	319-84-6	ALPHA-BHC
	319-85-7	BETA-BHC
	319-86-8	DELTA-BHC
	58-89-9	GAMMA-BHC (LINDAN)
	76-44-8	HEPTACHLOR
101P	1024-57-3	HEPTACHLOR EPOXIDE
	50-29-3	4,4'-DDE
92P	50-29-3	4,4'-DDT
	72-54-8	4,4'-DDD
	72-55-9	4,4'-DDE
93P	72-20-8	ENDRIN
	53494-70	ENDRIN KETONE
99P	7421-93-4	ENDRIN ALDEHYDE
95P	959-98-8	ENDOSULFAN I
	33213-65	ENDOSULFAN II
97P	1031-07-8	ENDOSULFAN SULFATE
	309-00-2	ALDRIN
90P	60-57-1	DIELDRIN
91P	57-74-9	CHLORDANE
	72-43-5	METHOXYCHLOR
113P	80001-35-2	TOLAPHEN

AR302663

DRANE CHEMICAL SITE - PHASE III RI SOILS (FIXED BASE)

SAMPLE NUMBER:	DCBFB15-1013	DCBFB24-1014	DCBFB25-1015	DCBFB28-14165	DCBFB31-1216	DCBFB32-1014	DCBFB32-1014RE
TRAFFIC REPORT NUMBER:	MCM018	MCM500	MCM494	MCM278	MCM246	MCM493	
FRACTION OF SOLIDS:							
DILUTION FACTOR:							
% MOISTURE/% SOLID/ OR DESCRIPTION:	/63.6 MG/KG 11/21/87	/82.7 MG/KG 11/18/87	/83.2 MG/KG 11/18/87	/87.0 MG/KG 11/23/87	/79.1 MG/KG 11/18/87	/82.1 MG/KG 11/19/87	11/20/87
UNITS:							
DATE SAMPLED:							

*** INORGANICS ***

PP	CAS NO	COMPOUND					
1	11500*	ALUMINUM	12100	7880	2250*	7440	8400
2	J N	ANTIMONY	J N	J N	J N	J N	ND
3	J 7.8N*	ARSENIC	5.5	9.6	J 5.3N*	9.0	7.4
4	128	BARIUM	85	192	[38]	86	84
5	ND	BERYLLIUM	1.4	1.8	[0.34]	[1.2]	ND
6	ND	CADMIUM	ND	ND	[1.1]	ND	ND
7	22000	CALCIUM	[303]	[943]	28400	7840	[854]
8	58*	CHROMIUM	17	20	6.8*	27	18
9	18.41	COBALT	21	16	14.4	13	[12]
10	182*	COPPER	18	B 6.1	7.0*	35	15
11	26400*	IRON	31600	52400	13300*	22200	24400
12	95	LEAD	J 8.2N*S+	J 19N*	11	J 14N*	J 7.4N*
13	10900E	MAGNESIUM	2050	1510	4550E	2000	2080
14	380	MANGANESE	595	2150	612	87	706
15	ND	MERCURY	ND	ND	ND	ND	ND
16	24	NICKEL	21	10	11	19	14
17	3040	POTASSIUM	[11190]	[369]	ND	[910]	1510
18	J N	SELENIUM	ND	ND	J N	ND	ND
19	ND	SILVER	ND	ND	ND	ND	ND
20	4100	SODIUM	[597]	[820]	[66]	B [173]	[195]
23	20	VANADIUM	25	23	[6.2]	25	17
24	J 123N*	ZINC	91	71	J 30N*	159	63

AR302664

T-70

DAKE CHEMICAL SITE - PHASE III RI SOILS (FIXED BASE)

SAMPLE NUMBER: DCBFB15-1013 DCBFB24-1014 DCBFB25-1015 DCBFB28-14165 DCBFB31-1216 DCBFB32-1014
 TRAFFIC REPORT NUMBER: MCM018 MCM500 MCM494 MCM278 MCM246 MCM493
 FRACTION OF SOLIDS:
 DILUTION FACTOR:
 % MOISTURE/* SOLID/ OR DESCRIPTION:
 UNITS:
 DATE SAMPLED:

*** GEOCHEMICAL PARAMETERS ***

PP GAS NO COMPOUND

CYANIDE	J N
TOTAL ORGANIC CARBON	ND
CATION EXCHANGE CAPACITY	ND
OIL & GREASE	ND
FENAC	ND
B-NAPHTHYLAMINE	UJ
TOTAL SOLIDS	ND
SIEVE SIZE 1 1/2"	ND
SIEVE SIZE 1"	ND
SIEVE SIZE 3/4"	ND
SIEVE SIZE 1/2"	ND
SIEVE SIZE 3/8"	ND
SIEVE SIZE NO. 4	ND
SIEVE SIZE NO. 10	ND
SIEVE SIZE NO. 40	ND
SIEVE SIZE NO. 60	ND
SIEVE SIZE NO. 200	ND
PARTICLE SIZE (MM) 0.024	ND
PARTICLE SIZE (MM) 0.007	ND
PARTICLE SIZE (MM) 0.001	ND
LIQUID LIMIT	ND
PLASTIC LIMIT	ND
PLASTIC INDEX	ND
MOISTURE CONTENT	ND
SPECIFIC GRAVITY (FINE GRAIN)	ND

CYANIDE	N
TOTAL ORGANIC CARBON	ND
CATION EXCHANGE CAPACITY	ND
OIL & GREASE	ND
FENAC	ND
B-NAPHTHYLAMINE	UJ
TOTAL SOLIDS	ND
SIEVE SIZE 1 1/2"	ND
SIEVE SIZE 1"	ND
SIEVE SIZE 3/4"	ND
SIEVE SIZE 1/2"	ND
SIEVE SIZE 3/8"	ND
SIEVE SIZE NO. 4	ND
SIEVE SIZE NO. 10	ND
SIEVE SIZE NO. 40	ND
SIEVE SIZE NO. 60	ND
SIEVE SIZE NO. 200	ND
PARTICLE SIZE (MM) 0.024	ND
PARTICLE SIZE (MM) 0.007	ND
PARTICLE SIZE (MM) 0.001	ND
LIQUID LIMIT	ND
PLASTIC LIMIT	ND
PLASTIC INDEX	ND
MOISTURE CONTENT	ND
SPECIFIC GRAVITY (FINE GRAIN)	ND

AR302665

DRAKE CHEMICAL SITE - PHASE III RI SOILS (FIXED BASE)

SAMPLER NUMBER:	DC9FB19-5052	TRAFFIC REPORT NUMBER:	DCSFBB6-1517	FRACTION OF SOLIDS:	DCTFB-B4 CN500	DILUTION FACTOR:	DCTFB-BB1 CR635	% MOISTURE/% SOLID/ OR DESCRIPTION:	DCTFB-BB2 CR617	UNITS:	DCTFB-RB1 CM492	DATE SAMPLED:	DCTFB-TB1 CR680
67-64-1	ACETONONE	ND	ND	108-10-1	4-METHYL-2-PENTANONE	ND	ND	12/17/87	100 BOTT BLK UG/KG	DL = 1.0 UG/L	DL = 1 UG/L		
78-93-3	2-BUTANONE	ND	ND	4V	BENZENE	ND	ND	11/24/87	100 BOTT BLK UG/L	RINSATE BLK UG/L	100 TRIP BLK UG/L		
591-78-6	2-HEXANONE	ND	ND	86V	TOLUENE	ND	ND	11/18/87	11/05/87	11/21/87	11/04/87		
108-10-1	4-METHYL-2-PENTANONE	ND	ND	38V	ETHYLBENZENE	ND	ND						
71-43-2	TOTAL XYLENES	ND	ND	95-47-6	TOTAL XYLENES	ND	ND						
4V	STYRENE	ND	ND	100-42-5	STYRENE	ND	ND						
7V	108-90-7	CHLORDIENENE	ND	108-90-7	CHLORDIENENE	ND	ND						
15V	79-34-5	1,1,2-TETRACHLOROETHANE	ND	15V	1,1,2-TETRACHLOROETHANE	ND	ND						
11V	71-55-6	1,1,1-TRICHLOROETHANE	ND	11V	1,1,1-TRICHLOROETHANE	ND	ND						
14V	79-00-5	1,1,2-TRICHLOROETHANE	ND	14V	1,1,2-TRICHLOROETHANE	ND	ND						
10V	75-34-3	1,1-DICHLOROETHANE	ND	10V	1,1-DICHLOROETHANE	ND	ND						
16V	107-06-2	1,2-DICHLOROETHANE	ND	16V	1,2-DICHLOROETHANE	ND	ND						
86V	75-00-3	CHLOROETHANE	ND	86V	TETRACHLOROETHENE	ND	ND						
87V	127-19-4	TETRACHLOROETHENE	ND	87V	TRICHLOROETHENE	ND	ND						
30V	79-01-6	TRICHLOROETHENE	ND	30V	TRANS-1,2-DICHLOROETHENE	ND	ND						
29V	75-35-4	1,1-DICHLOROETHENE	ND	29V	1,1-DICHLOROETHENE	ND	ND						
BBV	75-01-4	VINYL CHLORIDE	ND	BBV	VINYL CHLORIDE	ND	ND						
6V	56-22-5	CARBON TETRACHLORIDE	ND	6V	CARBON TETRACHLORIDE	ND	ND						
23V	67-66-3	CHLOROBORN	ND	23V	CHLOROBORN	ND	ND						
44V	75-09-2	METHYLENE CHLORIDE	ND	44V	METHYLENE CHLORIDE	ND	ND						
45V	74-87-3	CHLOROMETHANE	ND	45V	CHLOROMETHANE	ND	ND						
32V	78-87-5	1,2-DICHLOROPROPANE	ND	32V	1,2-DICHLOROPROPANE	ND	ND						
33WT	10061-02-6	TRANS-1,3-DICHLOROPROPENE	ND	33WT	TRANS-1,3-DICHLOROPROPENE	ND	ND						
33VC	10061-01-5	CIS-1,3-DICHLOROPROPENE	ND	33VC	CIS-1,3-DICHLOROPROPENE	ND	ND						
47V	75-25-2	BROMOFORM	ND	47V	BROMOFORM	ND	ND						
46V	74-93-9	BROMOMETHANE	ND	46V	BROMOMETHANE	ND	ND						
48V	75-27-4	BROMODICHLOROMETHANE	ND	48V	BROMODICHLOROMETHANE	ND	ND						
51V	124-48-1	CHLORODIBROMOMETHANE	ND	51V	CHLORODIBROMOMETHANE	ND	ND						

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AR302666

DRAKE CHEMICAL SITE - PHASE 111 RI SOILS (FIXED BASE)

SAMPLE NUMBER:	DCCFB19-5052	DC3FBG-1517	DCTFB-B4 CK500	DCTFB-BB1 CK635	DCTFB-BB2 CK617	DCTFB-RE1 CM492
TRAFFIC REPORT NUMBER:						DCTFB-TB1 CK980
FRACTION OF SOLIDS:						
DILUTION FACTOR:			DL = 1		DL = 1.0	
X MOISTURE/% SOLID/ OR DESCRIPTION:			BLANK	100 BOTT BLK	BOTTLE BLANK	RINGSATE BLK
UNITS:			UG/L	UG/KG	UG/L	UG/L
DATE SAMPLED:	12/17/87	11/24/87	11/18/87	11/05/87	11/11/87	11/21/87
75-15-0	CARBON DISULFIDE	ND	ND	ND	ND	J 42
19V	2-CHLOROETHYL VINYL ETHER	ND	ND	ND	ND	ND
108-05-4	VINYL ACETATE	ND	ND	ND	ND	ND

AR302667

H-73

DRAKE CHEMICAL SITE - PHASE III RI SOILS (FIXED BASE)

SAMPLE NUMBER:	DC3FPB19-5052	TRAFFIC REPORT NUMBER:	DC3FPB6-1517	FRACTION OF SOLIDS:	DC3FPB-B4 CM500	DILUTION FACTOR:	DC3FPB-BB1 CK635	X MOISTURE/Z SOLID/ OR DESCRIPTION:	DC3FPB-BB2 CK617	UNITS:	BLANK UG/L	DATE SAMPLED:	DL = 500.6 100 BOTT BLK UG/KG 11/05/87	DATE ANALYSED:	RINSEATE BLK UG/L	DATE REPORTED:	11/11/87	DATE TRIP BLK	100 TRIP BLK UG/L	REPORTER:	DC3FPB-BB1 CK680
*** BASE/NEUTRALS ***																					
PP	CAS NO	COMPOUND																			
66B	117-91-7	BIS(2-ETHYLHEXYL)PHTHALATE	ND																		
66B	64-74-2	DI-N-BUTYL PHTHALATE	ND																		
67B	85-68-7	BUTYL BENZYL PHTHALATE	ND																		
77B	208-96-8	ACENAPHTHYLENE	ND																		
78B	120-12-7	ANTHRACENE	ND																		
72B	56-55-3	BENZO(A)ANTHRACENE	ND																		
74B	205-99-2	BENZO(B)FLUORANTHENE	ND																		
	207-98-9	BENZO(K)FLUORANTHENE	ND																		
79B	191-24-2	BENZO(G,H,I)PERYLENE	ND																		
73B	50-32-8	BENZO(A)PYRENE	ND																		
76B	218-01-9	CHRYSENE	ND																		
82B	53-70-3	DI BENZO(A,H)ANTHRACENE	ND																		
39B	206-44-0	FLUORANTHENE	ND																		
80B	86-73-7	FLUORENE	ND																		
83B	193-39-5	INDENO(1,2,3-CD)PYRENE	ND																		
55B	91-20-3	NAPHTHALENE	ND																		
	91-57-6	2-METHYLNAPHTHALENE	ND																		
81B	86-01-8	PHENANTHRENE	ND																		
84B	129-00-0	PYRENE	ND																		
	95-50-1	1,2-DICHLOROBENZENE	ND																		
26B	541-73-1	1,3-DICHLOROBENZENE	ND																		
27B	106-46-7	1,4-DICHLOROBENZENE	ND																		
8B	120-82-1	1,2,4-TRICHLOROBENZENE	ND																		
56B	99-95-3	NITROBENZENE	ND																		
	99-09-2	3-NITROANILINE	ND																		
	100-01-6	4-NITROANILINE	ND																		
	106-47-8	4-CHLORODANILINE	ND																		
53B	77-47-4	HEXAChLOROCYCLOPENTADIENE	ND																		
28B	91-94-1	3,3'-DICHLOROBENZIDINE	ND																		
	65-85-0	BENZOIC ACID	ND																		
	100-51-6	BENZYL ALCOHOL	ND																		
	132-64-9	DIBENZOFURAN	ND																		

AR302668

H-74.

DRAKE CHEMICAL SITE - PHASE III RI SOILS (FIXED BASE)

SAMPLE NUMBER:	DCSFBB19-5052	BCSFBB6-1517	DCTFB-B4	DCTFB-BB2	DCTFB-RB1	DCTFB-TB1
TRAFFIC REPORT NUMBER:			CM500	CK635	CM492	CK880
FRACTION OF SOLIDS:				CK617		
DILUTION FACTOR:					DL = 500.5	
<input checked="" type="checkbox"/> MOISTURE/% SOLID/ OR DESCRIPTION:			BLANK	100 BOTT BLK	BOTTLE BLANK	100 TRIP BLK
UNITS:			UG/KG	UG/L	UG/L	UG/L
DATE SAMPLED:	12/17/87	11/24/87	11/18/87	11/05/87	11/11/87	11/21/87

AR302669

DRAKE CHEMICAL SITE - PHASR 111 RI SOILS (FIXED BASE)

SAMPLE NUMBER:	DCSFBB19-5052	FRACTION OF SOLIDS:	DCSFBB6-1517	DILUTION FACTOR:	DCSFBB-B4	% MOISTURE/X SOLID/ OR DESCRIPTION:	DCSFBB-BB1	UNITS:	DCSFBB-BB2	DATE SAMPLED:	DCSFBB-RB1
TRAFFIC REPORT NUMBER:	CK880	CK636	CK617	CK492	CK635	BLANK	BLANK	UG/L	UG/L	11/04/87	DCTFB-TB1
FRACTION OF SOLIDS:						BLANK	BLANK	UG/L	UG/L	11/21/87	CK880
DILUTION FACTOR:						BLANK	BLANK	UG/L	UG/L	11/21/87	DCTFB-TB1
X MOISTURE/X SOLID/ OR DESCRIPTION:						BLANK	BLANK	UG/L	UG/L	11/04/87	CK880
UNITS:						BLANK	BLANK	UG/L	UG/L	11/21/87	DCTFB-TB1
DATE SAMPLED:						BLANK	BLANK	UG/L	UG/L	11/04/87	CK880
<hr/>											
*** ACIDS ***											
PP	CAS NO	COMPOUND	PP	CAS NO	COMPOUND	PP	CAS NO	COMPOUND	PP	CAS NO	COMPOUND
65A	108-95-2	PHENOL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	95-48-7	2-METHYLPHENOL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	106-44-5	4-METHYLPHENOL	ND	ND	ND	ND	ND	ND	ND	ND	ND
34A	105-67-9	2,4-DIMETHYLPHENOL	ND	ND	ND	ND	ND	ND	ND	ND	ND
24A	95-57-0	2-CHLOROPHENOL	ND	ND	ND	ND	ND	ND	ND	ND	ND
31A	120-33-2	2,4-DICHLOROPHENOL	ND	ND	ND	ND	ND	ND	ND	ND	ND
	95-95-4	2,4,5-TRICHLOROPHENOL	ND	ND	ND	ND	ND	ND	ND	ND	ND
21A	89-06-2	2,4,6-TRICHLOROPHENOL	ND	ND	ND	ND	ND	ND	ND	ND	ND
64A	87-96-5	PENTACHLOROPHENOL	ND	ND	ND	ND	ND	ND	ND	ND	ND
22A	59-50-7	4-CHLORO-3-METHYLPHENOL	ND	ND	ND	ND	ND	ND	ND	ND	ND
57A	88-75-5	2-NITROPHENOL	ND	ND	ND	ND	ND	ND	ND	ND	ND
58A	100-02-7	4-NITROPHENOL	ND	ND	ND	ND	ND	ND	ND	ND	ND
59A	51-28-5	2,4-DINITROPHENOL	ND	ND	ND	ND	ND	ND	ND	ND	ND
60A	534-52-1	4,6-DINITRO-2-METHYLPHENOL	ND	ND	ND	ND	ND	ND	ND	ND	ND

H-76

AR302670

DRAKE CHEMICAL SITE - PHASE III RI SOILS (FIXED BASE)

SAMPLE NUMBER:	DCSFBI9-5052	TRAFFIC REPORT NUMBER:	DCSFBI6-1517	FRACTION OF SOLIDS:	DCTFB-B4 CM500	DILUTION FACTOR:	DCTFB-BB1 CK635	% MOISTURE/% SOLID/ OR DESCRIPTION:	DCTFB-BB2 CK617	UNITS:	DCTFB-RB1 CM492	DATE SAMPLED:	DCTFB-RB1 CK880
103P	319-84-6	ALPHA-BHC	ND	ND	ND	ND	ND	HEPTACHLOR	ND	ND	ND		
103P	319-85-7	BETA-BHC	ND	ND	ND	ND	ND	HEPTACHLOR EPOXIDE	ND	ND	ND		
104P	319-86-8	DELTA-BHC	ND	ND	ND	ND	ND	4,4'-DDT	ND	ND	ND		
105P	58-89-9	GAMMA-BHC (LINDANE)	ND	ND	ND	ND	ND	4,4'-DDD	ND	ND	ND		
100P	76-44-3	HEPTACHLOR	ND	ND	ND	ND	ND	4,4'-DDT	ND	ND	ND		
101P	1024-57-3	HEPTACHLOR EPOXIDE	ND	ND	ND	ND	ND	ENDRIN	ND	ND	ND		
92P	50-29-3	4,4'-DDT	ND	ND	ND	ND	ND	KETONE	ND	ND	ND		
	72-54-8	4,4'-DDD	ND	ND	ND	ND	ND	ALDEHYDE	ND	ND	ND		
93P	72-55-9	4,4'-DDE	ND	ND	ND	ND	ND	ENDOSULFAN	ND	ND	ND		
98P	72-20-8	ENDRIN	ND	ND	ND	ND	ND	1	ND	ND	ND		
	53494-70	ENDRIN KETONE	ND	ND	ND	ND	ND	ENDOSULFAN SULFATE	ND	ND	ND		
99P	7421-93-4	ENDRIN ALDEHYDE	ND	ND	ND	ND	ND	ALDRIN	ND	ND	ND		
95P	959-98-8	ENDOSULFAN 1	ND	ND	ND	ND	ND	DIELDRIN	ND	ND	ND		
	33213-65	ENDOSULFAN 11	ND	ND	ND	ND	ND	CHLORDANE	ND	ND	ND		
97P	1031-07-8	ENDOSULFAN SULFATE	ND	ND	ND	ND	ND	METHOXYCHLOR	ND	ND	ND		
	309-00-2	ALDRIN	ND	ND	ND	ND	ND	TOXAPHENE	ND	ND	ND		
90P	60-57-1	DIELDRIN	ND	ND	ND	ND	ND		ND	ND	ND		
91P	57-74-9	CHLORDANE	ND	ND	ND	ND	ND		ND	ND	ND		
	72-43-5	METHOXYCHLOR	ND	ND	ND	ND	ND		ND	ND	ND		
113P	8001-35-2	TOXAPHENE	ND	ND	ND	ND	ND		ND	ND	ND		

*** PESTICIDES ***

PP CAS NO COMPOUND

H-77.

AR302671

DRAKE CHEMICAL SITE - PHASE III RI SOILS (FIXED BASE)

SAMPLE NUMBER:	DCSFBB19-3052	DCSFBB-1517	DCTFB-B4	DCTFB-BB1 MCL135 NV	DCTFB-BB2	DCTFB-RB1	DCTFB-TB1
TRAFFIC REPORT NUMBER:							
FRACTION OF SOLIDS:							
DILUTION FACTOR:							
X MOISTURE/X SOLID/ OR DESCRIPTION:							
UNITS:							
DATE SAMPLED:	12/17/87	11/24/87	BLANK	11/05/87	11/11/87	11/21/87	11/04/87
<hr/>							
*** GEOCHEMICAL PARAMETERS ***							
PP	CAS NO	COMPOUND					
CYANIDE			ND	ND	ND	UL	J
TOTAL ORGANIC CARBON			ND	ND	ND	ND	ND
CATION EXCHANGE CAPACITY	5.0		9.6	ND	ND	ND	ND
OIL & GREASE	ND		ND	ND	ND	ND	ND
PENAC	ND		NA	ND	ND	UJ	ND
B-NAPHTHYLAMINE	ND		NA	ND	UJ	UJ	ND
TOTAL SOLIDS	87		82.0	ND	ND	ND	ND
SIEVE SIZE 1 1/2"	ND		NA	ND	ND	ND	ND
SIEVE SIZE 1"	ND		NA	ND	ND	ND	ND
SIEVE SIZE 3/4"	ND		NA	ND	ND	ND	ND
SIEVE SIZE 1/2"	ND		NA	ND	ND	ND	ND
SIEVE SIZE 3/8"	ND		NA	ND	ND	ND	ND
SIEVE SIZE NO. 4	ND		NA	ND	ND	ND	ND
SIEVE SIZE NO. 10	ND		NA	ND	ND	ND	ND
SIEVE SIZE NO. 40	ND		NA	ND	ND	ND	ND
SIEVE SIZE NO. 60	ND		NA	ND	ND	ND	ND
SIEVE SIZE NO. 200	ND		NA	ND	ND	ND	ND
PARTICLE SIZE (MM) 0.024	ND		NA	ND	ND	ND	ND
PARTICLE SIZE (MM) 0.007	ND		NA	ND	ND	ND	ND
LIQUID LIMIT	ND		NA	ND	ND	ND	ND
PLASTIC LIMIT	ND		NA	ND	ND	ND	ND
MOISTURE CONTENT	ND		NA	ND	ND	ND	ND
SPECIFIC GRAVITY (FINE GRAIN)	ND		NA	ND	ND	ND	ND

H-79+

AR302673

DRAKE CHEMICAL SITE - PHASE III RI SOILS (FIXED BASE)

SAMPLE NUMBER:
TRAFFIC REPORT NUMBER:
FRACTION OF SOLIDS:
DILUTION FACTOR:
% MOISTURE/% SOLID/ OR DESCRIPTION:
UNITS:
DATE SAMPLED:

DCTFB-TB2
CK681
DL = 1.0
TRIP BLANK
0.0/L
11/10/87

DCTFB-TB3
CK682
DL = 1.0
TRIP BLANK
0.0/L
11/11/87

DCTFB-TB6
CK698
DL = 1
TRIP BLANK
0.0/L
11/22/87

DCTFB-TB7
CK497
DL = 1
TRIP BLANK
0.0/L
11/23/87

DCTFB-TB8
CK253
DL = 1.0
TRIP BLANK
0.0/L
11/30/87

DCTFB-TB9
CK252
DL = 1
TRIP BLANK
0.0/L
11/18/87

DCTFB-TB10
CK267
DL = 1
19
UG/KG
11/22/87

*** VOLATILES ***

PP	CAS NO	COMPOUND	B 9BJ	B 16B	B 9BJ	B 11B	J 9J
		ACETONE	R	R	UL	UL	R
	78-93-3	2-BUTANONE	ND	4J	UL	UL	UJ
	591-78-6	2-HEXANONE	ND	ND	UL	UL	UJ
	108-10-1	4-METHYL-2-PENTANONE	ND	ND	UL	UL	ND
4V	71-13-2	BENZENE	ND	ND	L 1J	L 1J	ND
	86V	TOLUENE	ND	ND	UL	UL	ND
38V	108-88-3	ETHYLBENZENE	ND	ND	UL	UL	ND
	95-41-4	TOTAL XYLEMES	ND	ND	UL	UL	ND
	95-47-6	STYRENE	ND	ND	UL	UL	ND
	100-42-5	CHLOROBENZENE	ND	ND	UL	UL	ND
7V	108-90-7	1,1,2,2-TETRACHLOROETHANE	ND	ND	UL	UL	ND
15V	79-34-5	1,1,1-TRICHLOROETHANE	ND	UJ	UL	UL	ND
11V	71-55-6	1,1,2-TRICHLOROETHANE	ND	ND	UL	UL	ND
14V	79-00-5	1,1-DICHLOROETHANE	ND	ND	UL	UL	ND
10V	76-34-3	1,2-DICHLOROETHANE	ND	ND	UL	UL	ND
10V	107-06-2	1,2-DICHLOROETHANE	ND	ND	UL	UL	UJ
16V	76-90-3	CHLOROETHANE	ND	ND	UL	UL	ND
85V	127-18-4	TETRACHLOROETHENE	ND	ND	UL	UL	ND
87V	79-01-6	TRICHLOROETHENE	ND	ND	UL	UL	ND
30V	156-60-5	TRANS-1,2-DICHLOROETHENE	ND	ND	UL	UL	ND
29V	75-35-4	1,1-DICHLOROETHENE	ND	ND	UL	UL	ND
88V	75-01-4	VINYL CHLORIDE	ND	UJ	UL	UL	ND
6V	56-23-5	CARBON TETRACHLORIDE	UJ	UJ	UL	UL	ND
23V	67-66-3	CHLOROFORM	ND	ND	UL	UL	ND
44V	75-09-2	METHYLENE CHLORIDE	B 32B	B 17B	B 4BJ	B 3JB	B 15B
45V	74-87-3	CHLORMETHANE	ND	ND	UJ	UJ	UJ
32V	78-87-5	1,2-DICHLOROPROPANE	ND	ND	UL	UL	ND
33WT	10061-02-6	TRANS-1,3-DICHLOROPROPENE	ND	ND	UL	UL	UJ
33WC	10061-01-5	CIS-1,3-DICHLOROPROPENE	ND	ND	UL	UL	ND
47V	75-23-2	BROMOPROPANE	ND	ND	UL	UL	ND
46V	74-83-9	BROMOMETHANE	ND	ND	UL	UL	ND
48V	75-27-4	BROMODICHLOROMETHANE	ND	ND	UL	UL	ND
51V	124-48-1	CHLORODIBROMOMETHANE	ND	ND	UL	UL	ND

T-180

AR302674

DRAKE CHEMICAL SITE - PHASE III RI SOILS (FIXED BASE)

SAMPLE NUMBER:	DCTPB-TB2	DCTPB-TB3	DCTPB-TB6	DCTPB-TB7	DCTPB-TB8	DCTPB1-0708
TRAFFIC REPORT NUMBER:	CK881	CK882	CM498	CM497	CM283	CM252
FRACTION OF SOLIDS:						CW267
DILUTION FACTOR:	DL = 1.0	DL = 1.0	DL = 1	DL = 1	DL = 1.0	DL = 1
X MOISTURE/Z SOLID/ OR DESCRIPTION:	TRIP BLANK	TRIP BLANK	TRIP BLANK	TRIP BLANK	100 TRIP BLK	100
UNITS:	UG/L	UG/L	UG/L	UG/L	UG/L	UG/KG
DATE SAMPLED:	11/10/87	11/11/87	11/22/87	11/23/87	11/30/87	11/18/87

75-15-0	CARBON DISULFIDE	ND	UL	UL	UJ	ND
19V	110-75-8	ND	ND	ND	UJ	ND
108-06-4	2-CHLOROETHYL VINYL ETHER	ND	UL	UL	UJ	UJ
	VINYL ACETATE	ND				

AR302675

DRAKE CHEMICAL SITE - PHASE III RI SOILS (FIXED BASE)

SAMPLE NUMBER:
TRAFFIC REPORT NUMBER:
FRACTION OF SOLIDS:
DILUTION FACTOR:
X MOISTURE/% SOLID/ OR DESCRIPTION:
UNITS:
DATE SAMPLED:

DCTPB-TB2
CR681

DCTPB-TB3
CK682

DCTPB-TB6
CM498

DCTPB-TB7
CM497

DCTPB-TB8
CM283

TRIP BLANK
UG/L
11/10/87

TRIP BLANK
UG/L
11/11/87

TRIP BLANK
UG/L
11/22/87

TRIP BLANK
UG/L
11/23/87

TRIP BLANK
UG/L
11/30/87

TRIP BLANK
UG/L
11/18/87

*** BASE/NEUTRALS ***

PP CAS NO COMPOUND

66B	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	ND																									
68B	84-74-2	DI-N-BUTYL PHTHALATE	ND																									
67B	85-68-7	BUTYL BENZYL PHTHALATE	ND																									
77B	208-96-8	ACENAPHTHYLENE	ND																									
78B	120-12-7	ANTHRACENE	ND																									
72B	56-55-3	BENZO(A)ANTHRACENE	ND																									
74B	205-99-2	BENZO(B)FLUORANTHENE	ND																									
79B	207-08-9	BENZO(K)FLUORANTHENE	ND																									
79B	191-24-2	BENZO(G,H,I)PERYLENE	ND																									
73B	50-32-8	BENZO(A)PYRENE	ND																									
76B	218-01-9	CHRYSENE	ND																									
82B	53-70-3	DIBENZO(A,H)ANTHRACENE	ND																									
39B	206-44-0	FLUORANTHENE	ND																									
80B	86-73-7	FLUORENE	ND																									
83B	193-39-5	INDENO(1,2,3-CD)PYREN	ND																									
55B	91-20-3	NAPHTHALENE	ND																									
91-57-6		2-METHYLNAPHTHALENE	ND																									
61B	65-01-8	PHENANTHRENE	ND																									
84B	129-00-0	PYRENE	ND																									
95-50-1		1,2-DICHLOROBENZENE	ND																									
26B	541-73-1	1,3-DICHLOROBENZENE	ND																									
27B	106-46-7	1,4-DICHLOROBENZENE	ND																									
6B	120-82-1	1,2,4-TRICHLOROBENZENE	ND																									
56B	99-95-3	NITROBENZENE	ND																									
	99-09-2	3-NITROANILINE	ND																									
100-01-6		4-NITROANILINE	ND																									
106-47-8		4-CHLOROANILINE	ND																									
53B	77-47-4	HEXAChLOROCYCLOPENTADIENE	ND																									
28B	91-94-1	3,3'-DICHLOROBENZIDINE	ND																									
65-85-0		BENZOIC ACID	ND																									
100-51-6		BENZYL ALCOHOL	ND																									
132-64-9		DIBENZOFURAN	ND																									

T-82

AR302676

DRAKE CHEMICAL SITE - PHASE III RI SOILS (FIXED BASE)

SAMPLE NUMBER:	DCTFB-TB2	DCTFB-TB3	DCTFB-TB6	DCTFB-TB7	DCTFB-TB8	DCTFB1-0708
TRAFFIC REPORT NUMBER:	CK081	CK082	CM498	CM497	CM283	CM252
FRACTION OF SOLIDS:						CM267
DLUTION FACTOR:						
X MOISTURE/% SOLID/ OR DESCRIPTION:	TRIP BLANK	TRIP BLANK	TRIP BLANK	100 TRIP BLK	DL = 11.79	DL = 12.63
UNITS:	UG/L	UG/L	UG/L	UG/L	25.0	19
DATE SAMPLED:	11/10/87	11/11/87	11/22/87	11/23/87	11/30/87	UG/KG 11/22/87

H-83

AR302677

DRAKE CHEMICAL SITE - PHASE III RI SOILS (FIXED BASE)

SAMPLE NUMBER:	DCTFB-TB2	DCTFB-TB3	DCTFB-TB6	DCTFB-TB7	DCTFB-TB8	DCTFB1-0708
TRAFFIC REPORT NUMBER:	CK881	CK882	CM498	CM497	CM252	CM267
FRACTION OF SOLIDS:						
DILUTION FACTOR:						
% MOISTURE/X SOLID/ OR DESCRIPTION:						
UNITS:	TRIP BLANK UG/L 11/10/87	TRIP BLANK UG/L 11/11/87	TRIP BLANK UG/L 11/22/87	TRIP BLANK UG/L 11/23/87	100 TRIP BULK UG/L 11/30/87	DL = 11.79 19 UG/KG 11/18/87
DATE SAMPLED:						

*** ACIDS ***

PP	CAS NO	COMPOUND					
65A	108-95-2	PHENOL	ND	ND	ND	ND	ND
	95-48-7	2-METHYLPHENOL	ND	ND	ND	ND	ND
	106-44-5	4-METHYLPHENOL	ND	ND	ND	ND	ND
34A	105-67-9	2,4-DIMETHYLPHENOL	ND	ND	ND	ND	ND
24A	95-57-8	2-CHLOROPHENOL	ND	ND	ND	ND	ND
31A	120-33-2	2,4-DICHLOROPHENOL	ND	ND	ND	ND	ND
	95-95-4	2,4,5-TRICHLOROPHENOL	ND	ND	ND	ND	ND
21A	88-06-2	2,4,6-TRICHLOROPHENOL	ND	ND	ND	ND	ND
64A	97-86-5	PENTACHLOROPHENOL	ND	ND	ND	ND	ND
22A	59-50-7	4-CHLORO-3-METHYLPHENOL	ND	ND	ND	ND	ND
57A	88-75-5	2-NITROPHENOL	ND	ND	ND	ND	ND
58A	100-02-7	4-NITROPHENOL	ND	ND	ND	ND	ND
59A	51-28-5	2,4-DINITROPHENOL	ND	ND	ND	ND	ND
60A	534-52-1	4,6-DINITRO-2-METHYLPHENOL	ND	ND	ND	ND	ND

T-84

AR302678

DRAKE CHEMICAL SITE - PHASE III RI SOILS (FIXED BASE)

SAMPLE NUMBER:	DCTFB-TB2	DCTFB-TB6	DCTFB-TB8	DCTFB-TB8
TRAFFIC REPORT NUMBER:	CR881	CK882	CM498	CM497
FRACTION OF SOLIDS:				CM252
DILUTION FACTOR:				CM267
X MOISTURE/X SOLID/ OR DESCRIPTION:				DL = 0.1263
UNITS:	TRIP BLANK UG/L 11/10/87	TRIP BLANK UG/L 11/11/87	TRIP BLANK UG/L 11/22/87	DL = 0.1179 19 UG/KG 11/22/87
DATE SAMPLED:				
*** PESTICIDES ***				
PP	CAS NO	COMPOUND		
103P	319-84-6	ALPHA-BHC	ND	ND
	319-85-7	BETA-BHC	ND	ND
104P	319-86-8	DELTA-BHC	ND	ND
105P	56-89-9	GAMMA-BHC (LINDANE)	ND	ND
100P	76-44-8	HEPTACHLOR	ND	ND
101P	1024-57-3	HEPTACHLOR EPOXIDE	ND	ND
92P	50-29-3	4,4'-DDT	ND	ND
	72-54-8	4,4'-DDD	ND	ND
93P	72-55-9	4,4'-DDE	ND	ND
98P	72-20-8	ENDRIN	ND	ND
	53-94-70	ENDRIN KETONE	ND	ND
99P	7421-93-4	ENDRIN ALDEHYDE	ND	ND
95P	959-98-8	ENDOSULFAN 1	ND	ND
	33213-65	ENDOSULFAN 11	ND	ND
97P	1031-07-8	ENDOSUFAN SULFATE	ND	ND
	309-00-2	ALDRIN	ND	ND
90P	60-57-1	DIELDRIN	ND	ND
91P	57-74-9	CHLORDANE	ND	ND
	72-43-5	METHOXYCHLOR	ND	ND
113P	8001-35-2	TOXAPHENE	ND	ND

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AR302679

DRAKE CHEMICAL SITE - PHASE III RI SOILS (FIXED BASE)

INORGANICS 499

PP	CAS NO	COMPOUND
1	1	ALUMINUM
2	2	ANTIMONY
3	3	ARSENIC
4	4	BARIUM
5	5	BERYLLIUM
6	6	CADMIUM
7	7	CALCIUM
8	8	CHROMIUM
9	9	COBALT
10	10	COPPER
11	11	IRON
12	12	LEAD
13	13	MAGNESIUM
14	14	MANGANESE
15	15	MERCURY
16	16	NICKEL
17	17	POTASSIUM
18	18	SELENIUM
19	19	SILVER
20	20	SODIUM
23	23	VANADIUM
24	24	ZINC

19500	11200*
J N	J N
4.9	J 7.0N*
177	71
1.9	10.571
ND	1.5
[11060]	[328]
22	20*
15	21
15	19*
27600	27000*
J 34N*	14
2000	1980E
459	195
ND	ND
27	23
1760	1260
ND	J N
ND	ND
B [1194]	[372]
32	19
	J 134N*
201	

AR302680

H-86

DRAKE CHEMICAL SITE - PHASE III RI SOILS (FIXED BASE)

SAMPLE NUMBER:	DCTFB-TB2	DCTFB-TB3	DCTFB-TB6	DCTFB-TB7	DCTFB-TB8	DCTFB-TB9	DCTFB-TB10	DCTFB-TB11
TRAFFIC REPORT NUMBER:							MCM017	MCM017
FRACTION OF SOLIDS:							ND	ND
DILUTION FACTOR:							ND	ND
X MOISTURE/% SOLID/ OR DESCRIPTION:							ND	ND
UNITS:							ND	ND
DATE SAMPLED:	11/10/87	11/11/87	11/22/87	11/23/87	11/30/87	11/18/87	11/22/87	11/22/87
<hr/>								
*** GEOCHEMICAL PARAMETERS ***								
PP	CAS NO	COMPOUND						
CYANIDE			ND	ND	ND	ND	N	J N
TOTAL ORGANIC CARBON			ND	ND	ND	ND	ND	ND
CATION EXCHANGE CAPACITY			ND	ND	ND	ND	ND	ND
OIL & GREASE			ND	ND	ND	ND	ND	ND
FENAC			ND	ND	ND	ND	ND	J 2600
B-NAPHTHYLAMINE			ND	ND	ND	ND	ND	ND
TOTAL SOLIDS			ND	ND	ND	ND	ND	ND
SIEVE SIZE 1 1/2"			ND	ND	ND	ND	ND	ND
SIEVE SIZE 1"			ND	ND	ND	ND	ND	ND
SIEVE SIZE 3/4"			ND	ND	ND	ND	ND	ND
SIEVE SIZE 1/2"			ND	ND	ND	ND	ND	ND
SIEVE SIZE 3/8"			ND	ND	ND	ND	ND	ND
SIEVE SIZE NO. 4			ND	ND	ND	ND	ND	ND
SIEVE SIZE NO. 10			ND	ND	ND	ND	ND	ND
SIEVE SIZE NO. 40			ND	ND	ND	ND	ND	ND
SIEVE SIZE NO. 60			ND	ND	ND	ND	ND	ND
SIEVE SIZE NO. 200			ND	ND	ND	ND	ND	ND
PARTICLE SIZE (MM) 0.024			ND	ND	ND	ND	ND	ND
PARTICLE SIZE (MM) 0.007			ND	ND	ND	ND	ND	ND
LIQUID LIMIT			ND	ND	ND	ND	ND	ND
PLASTIC INDEX			ND	ND	ND	ND	ND	ND
MOISTURE CONTENT			ND	ND	ND	ND	ND	ND
SPECIFIC GRAVITY (FINE GRAIN)	ND		ND	ND	ND	ND	ND	ND

H-87

AR302681

DRAKE CHEMICAL SITE - PHASE III RI SOILS (FIXED BASE)

SAMPLE NUMBER:	DCTPB11-1213	DCTPB12-0910	DCTPB12-0910A	DCTPB13-0708	DCTPB13-0708L	DCTPB13-0708R	DCTPB13-0708RE
TRAFFIC REPORT NUMBER:	CM266	CM264	CM265	CM259			
FRACTION OF SOLIDS:							
DLUTION FACTOR:	DL = 1	DL = 2500	DL = 2500	DL = 1			
X MOISTURE/% SOLID/ OR DESCRIPTION:	22	42	33 DUP	38.2			
UNITS:	UG/KG	UG/KG	UG/KG	UG/KG			
DATE SAMPLED:	11/20/87	11/21/87	11/21/87	11/19/87	12/21/87	12/21/87	11/19/87

*** VOLATILES ***

PP CAS NO COMPOUND

67-64-1	ACETONE	210B	R 32000BJ	R 28000BJ	J 11J	ND	ND
78-03-3	2-BUTANONE	ND	R	R	R	ND	ND
591-78-6	2-HEXANONE	ND	R	UJ	UJ	ND	ND
108-01-1	4-METHYL-2-PENTANONE	1J	R	R	ND	ND	ND
4V	BENZENE	ND	R	R	ND	ND	ND
86V	TOLUENE	1J	R	R 5400J	R 4700J	B 4J	ND
38V	ETHYLBENZENE	1J	R	R 11000J	R 9100J	6J	ND
	TOTAL XYLEMES	20	R	R 82000	R 69000	110	ND
	STYRENE	ND	R	R	ND	ND	ND
7V	CHLOROBENZENE	21	R	R 700000	R 550000	110	ND
15V	1,1,2,2-TETACHLOROETHANE	ND	R	R	ND	ND	ND
11V	1,1,1-TRICHLOROETHANE	ND	R	R	ND	ND	ND
14V	1,1,1,2-TRICHLOROETHANE	ND	R	R	ND	ND	ND
10V	1,1-DICHLOROETHANE	ND	R	R	ND	ND	ND
10V	1,2-DICHLOROETHANE	UJ	R	R	ND	ND	ND
16V	CHLOROETHANE	ND	R	R	ND	ND	ND
86V	TETRACHLOROETHENE	ND	R	R	ND	ND	ND
87V	TRICHLOROETHENE	ND	R	R	ND	ND	ND
30V	TRANS-1,2-DICHLOROETHENE	ND	R	R	ND	ND	ND
29V	1,1-DICHLOROETHENE	ND	R	R	ND	ND	ND
88V	VINYL CHLORIDE	ND	R	R	ND	ND	ND
6V	CARBON TETRACHLORIDE	ND	R	R	ND	ND	ND
23V	CHLOROFORM	ND	R	R	ND	ND	ND
44V	METHYLENE CHLORIDE	268	R 44000B	R 46000B	B 20B	ND	ND
45V	CHLOROMETHANE	UJ	R	R	ND	ND	ND
32V	1,2-DICHLOROPROPANE	ND	R	R	ND	ND	ND
33V	TRANS-1,3-DICHLOROPROPENE	ND	R	R	ND	ND	ND
	33VC 10061-01-5 CIS-1,3-DICHLOROPROPENE	ND	R	R	ND	ND	ND
47V	BROMOFORM	ND	R	R	ND	ND	ND
46V	BROMOMETHANE	ND	R	UJ	UJ	ND	ND
48V	BROMODICHLOROMETHANE	ND	R	R	ND	ND	ND
51V	CHLORODIBROMOMETHANE	ND	R	R	ND	ND	ND

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AR302682

DRAKE CHEMICAL SITE - PHASE III RI SOILS (FIXED BASE)

SAMPLE NUMBER:	DCTFB11-1213	DCTFB12-0910	DCTFB12-0910A	DCTFB13-0708	DCTFB13-0708R	DCTFB13-0708DL	DCTFB13-0708R
TRAFFIC REPORT NUMBER:	CM266	CM264	CM265	CM259			
FRACTION OF SOLIDS:							
DILUTION FACTOR:	DL = 1	DL = 2500	DL = 2500	DL = 1			
% MOISTURE/X SOLID/ OR DESCRIPTION:	22	42	33 DUP	36.2			
UNITS:	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG
DATE SAMPLED:	11/20/87	11/21/87	11/21/87	11/19/87	12/21/87	12/21/87	11/19/87
75-15-0	CARBON DISULFIDE	R	R	J			
19V	110-75-8	ND	R	ND	ND	ND	ND
108-05-4	2-CHLOROETHYL VINYL ETHER	UJ	R	UJ	ND	ND	ND
	VINYL ACETATE						

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AR302683

DRAKE CHEMICAL SITE - PHASE III RI SOILS (FIXED BASE)

SAMPLE NUMBER:	DCTFB11-1213	DCTFB12-0910A	DCTFB13-0708	DCTFB13-0708DL	DCTFB13-0708R	DCTFB13-0708RE	
TRAFFIC REPORT NUMBER:	CM266	CM264	CM265				
FRACTION OF SOLIDS:							
DIUTION FACTOR:	DL = 11.94	DL = 0.3193	DL = 9.223	DL = 0.2477	DL = 0.2974		
X MOISTURE/X SOLID/ OR DESCRIPTION:	22 42 UG/KG 11/20/87	33 DOP UG/KG 11/21/87	36.2 UG/KG 11/19/87	12/21/87	REPLICATE UG/KG 12/21/87	UG/KG 11/19/87	
UNITS:							
DATE SAMPLED:							
*** BASE/NEUTRALS ***							
PP	CAS NO	COMPOUND					
66B	117-81-7	BIS(2-ETHYLHEXYL)PHthalATE	ND	ND	ND	ND	
68B	84-74-2	DI-N-BUTYL PHthalATE	ND	ND	ND	ND	
67B	85-68-7	BUTYL BENZYL PHthalATE	ND	ND	ND	ND	
77B	208-98-8	ACENAPHTHYLENE	ND	ND	ND	ND	
78B	120-12-7	ANTHRACENE	ND	ND	ND	ND	
72B	56-55-3	BENZO(A)ANTHRACENE	ND	ND	ND	ND	
74B	205-99-2	BENZO(B)FLUORANTHENE	ND	UJ	ND	ND	
	207-08-9	BENZO(K)FLUORANTHENE	ND	ND	ND	ND	
79B	191-24-2	BENZO(G,H,I)PERYLENE	ND	UJ	ND	ND	
73B	50-32-6	BENZO(A)PYRENE	ND	ND	ND	ND	
76B	218-01-9	CHRYSENE	ND	ND	870J	ND	
82B	53-70-3	DI BENZO(A,H)ANTHRACENE	ND	ND	ND	ND	
39B	206-44-0	FLUORANTHENE	ND	ND	1200	ND	
80B	86-73-7	FLUORENE	ND	ND	ND	ND	
83B	193-39-5	INDENO(1,2,3-CD)PYRENE	ND	ND	ND	ND	
55B	91-20-3	NAPHTHALENE	ND	ND	ND	ND	
	91-57-6	2-METHYLNAPHTHALENE	ND	ND	390J	ND	
81B	85-01-8	PHENANTHRENE	ND	ND	1100J	ND	
84B	129-90-0	PYRENE	ND	ND	870J	ND	
	95-50-1	1,2-DICHLOROBENZENE	ND	100000	39000	ND	
26B	541-73-1	1,3-DICHLOROBENZENE	ND	ND	310J	ND	
27B	106-46-7	1,4-DICHLOROBENZENE	ND	7500J	3800J	12000J	
	68B	120-92-1	1,2,4-TRICHLOROBENZENE	ND	21000J	610J	ND
56B	98-95-3	NITROBENZENE	ND	ND	220J	ND	
	99-09-2	3-NITROANILINE	ND	ND	ND	ND	
	100-01-6	4-NITROANILINE	ND	UJ	ND	ND	
	106-47-8	4-CHLOROANILINE	ND	ND	680J	ND	
53B	77-47-4	HEXACHLOROCYCLOPENTADIENE	ND	UJ	UJ	UJ	
28B	91-94-1	3,3'-DICHLOROBENZIDINE	ND	UJ	29000J	J 4400	
	65-85-0	BENZOIC ACID	ND	ND	2500J	ND	
	100-51-6	BENZYL ALCOHOL	ND	ND	UJ	UJ	
	132-64-9	DOBENZOPURAN	ND	ND	ND	ND	

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AR302684

DRAKE CHEMICAL SITE - PHASE III RI SOILS (FIXED BASE)

SAMPLE NUMBER:	DCTFB11-1213	DCTFB12-0910	DCTFB12-0910A	DCTFB13-0708	DCTFB13-0708R	DCTFB13-0708RL	DCTFB13-0708RE
TRAFFIC REPORT NUMBER:	CM266	CM264	CM265	CM259			
FRACTION OF SOLIDS:							
DILUTION FACTOR:	DL = 11.94	DL = 0.3193	DL = 0.3151	DL = 9.223	DL = 0.2477	DL = 0.2974	
X MOISTURE/% SOLID/ OR DESCRIPTION:	22 UG/KG 11/20/87	42 UG/KG 11/21/87	33 DUP UG/KG 11/21/87	38.2 UG/KG 11/19/87	UG/KG 12/21/87	UG/KG 12/21/87	UG/KG 11/19/87
UNITS:							
DATE SAMPLED:							

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DRAKE CHEMICAL SITE - PHASE III RI SOILS (FIXED BASE)

SAMPLE NUMBER:	DCTPB11-1213	DCTPB12-0910	DCTPB13-070708	DCTPB13-070801	DCTPB13-0708R	DCTFB13-0708RE
TRAFFIC REPORT NUMBER:	CM266	CM264	CM259			
FRACTION OF SOLIDS:						
DILUTION FACTOR:	DL = 11.94	DL = 0.3193	DL = 9.223	DL = 0.2477	DL = 0.2974	
X MOISTURE/X SOLID/ OR DESCRIPTION:	22 UG/KG 11/20/87	42 UG/KG 11/21/87	33 DUP UG/KG 11/21/87	38.2 UG/KG 11/19/87	REPLICATE UG/KG 12/21/87	UG/KG 11/19/87
UNITS:						
DATE SAMPLED:						

*** ACIDS ***

PP	CAS NO	COMPOUND				
65A	108-95-2	PHENOL	ND	ND	ND	ND
	95-68-7	2-METHYLPHENOL	ND	ND	ND	ND
	106-44-5	4-METHYLPHENOL	ND	ND	ND	ND
34A	105-67-9	2,4-DIMETHYLPHENOL	ND	ND	ND	ND
24A	95-57-8	2-CHLOROPHENOL	ND	ND	ND	ND
31A	120-33-2	2,4-DICHLOROPHENOL	ND	ND	ND	ND
	95-95-4	2,4,5-TRICHLOROPHENOL	ND	ND	ND	ND
21A	88-06-2	2,4,6-TRICHLOROPHENOL	ND	ND	ND	ND
64A	87-16-5	PENTACHLOROPHENOL	ND	ND	ND	ND
22A	59-50-7	4-CHLORO-3-METHYLPHENOL	ND	ND	ND	ND
57A	88-75-5	2-NITROPHENOL	ND	ND	ND	ND
68A	100-02-7	4-NITROPHENOL	ND	UJ	UJ	ND
59A	51-28-5	2,4-DINITROPHENOL	ND	UJ	UJ	ND
60A	534-52-1	4,6-DINITRO-2-METHYLPHENOL	ND	UJ	UJ	ND

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AR302686

DRAKE CHEMICAL SITE - PHASE III RI SOILS (FIXED BASE)

SAMPLE NUMBER:	DCTFB11-1213	DCTFB12-0910	DCTFB13-0708	DCTFB13-0708R
TRAFFIC REPORT NUMBER:	CM266	CM264	CM259	DCTFB13-0708DL
FRACTION OF SOLIDS:				DCTFB13-0708R
DILUTION FACTOR:	DL = 0.1194	DL = 0.0118	DL = 0.0972	DL = 0.0117
X MOISTURE/Z SOLID/ OR DESCRIPTION:	22	42	33 DUP	REPLICATE
UNITS:	UG/KG	UG/KG	UG/KG	UG/KG
DATE SAMPLED:	11/20/87	11/21/87	11/19/87	12/21/87
				11/19/87

*** PESTICIDES ***

PP	CAS NO	COMPOUND
319-84-6		ALPHA-BHC
103P 319-85-7		BETA-BHC
104P 319-85-8		DELTA-BHC
105P 58-89-9		GAMMA-BHC (LINDANE)
100P 76-44-8		HEPTACHLOR
101P 1024-57-3		HEPTACHLOR EPOXIDE
92P 50-29-3		4,4'-DDT
72-54-8		4,4'-DDD
93P 72-55-9		4,4'-DDR
98P 72-20-8		ENDRIN
53494-70		ENDRIN KETONE
99P 7421-93-4		ENDRIN ALDEHYDE
95P 959-98-8		ENDOSULFAN 1
33213-65		ENDOSULFAN 11
97P 1031-07-8		ENDOSULFAN SULFATE
309-00-2		ALDRIN
90P 60-57-1		DIELDRIN
91P 57-74-9		CHLORDANE
72-43-5		METHOXYCHLOR
113P 8001-35-2		TOXAPHENE

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AR302687

DRAKE CHEMICAL SITE - PHASE III RI SOILS (FIXED BASE)

SAMPLE NUMBER:	DCTFB11-1213	DCTFB12-0910	DCTFB12-0910A	DCTFB13-0708B	DCTFB13-0708DL	DCTFB13-0708R	DCTFB13-0708RE
TRAFFIC REPORT NUMBER:	MCM016	MCM014	MCM015	MCM009			
FRACTION OF SOLIDS:							
DILUTION FACTOR:							
% MOISTURE/% SOLID/ OR DESCRIPTION:	/76.1	/67.0	/62.0 DUP	/66.1			
UNITS:	MG/KG	MG/KG	MG/KG	MG/KG			
DATE SAMPLED:	11/20/87	11/21/87	11/21/87	11/19/87	12/21/87	12/21/87	11/19/87

*** INORGANICS ***

PP	CAS NO	COMPOUND					
1	18400*	ALUMINUM	8110*	4130*	1340	ND	ND
2	J N	ANTIMONY	J 7.6N*9+	J 8.4N*9+	J N	ND	ND
3	184	ARSENIC	195	177	4.5	ND	ND
4	10.921	BARIUM	ND	ND	152	ND	ND
5	1.7	BERYLLIUM	ND	ND	ND	ND	ND
6	[571]	CADMIUM	ND	ND	ND	ND	ND
7	2070	CALCIUM	3380	2260	ND	ND	ND
8	35*	CHROMIUM	78*	118*	46	ND	ND
9	[11]	COBALT	ND	ND	[2.1]	ND	ND
10	19*	COPPER	22*	35*	18	ND	ND
11	31500*	IRON	5040*	3840*	1690	ND	ND
12	8.1S+	LEAD	453	393	J 110N*	ND	ND
13	2000E	MAGNESIUM	[1240]E	1650E	[1060]	ND	ND
14	244	MANGANESE	45	50	25	ND	ND
15	ND	MERCURY	0.25	0.40	ND	ND	ND
16	30	NICKEL	[7.0]	[8.4]	ND	ND	ND
17	1840	POTASSIUM	2360	[1290]	ND	ND	ND
18	J N	SELENIUM	J N	1.6	ND	ND	ND
19	ND	SILVER	ND	ND	ND	ND	ND
20	[367]	SODIUM	[186]	[242]	B [213]	ND	ND
23	29	VANADIUM	[12]	[7.4]	[2.5]	ND	ND
24	J 124N*	ZINC	J 23N*	J 22N*	17	ND	ND

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DRAKE CHEMICAL SITE - PHASE III RI SOILS (FIXED BASE)

SAMPLE NUMBER:	DCTFB11-1213	DCTFB12-0910	DCTFB12-0910A	DCTFB13-0708R	DCTFB13-0708DL	DCTFB13-0708R	DCTFB13-0708RR
TRAFFIC REPORT NUMBER:	MC3016	MC3014	MC3015	MC3009			
FRACTION OF SOLIDS:							
DILUTION FACTOR:							
X MOISTURE/X SOLID/ OR DESCRIPTION:	PER5/B-NX1 /16.1	PER100/B-NX1 /67.0	PER10/B-NX1 /62.0 DUP /66.1	PER10/B-NX1 /66.1			
UNITS:							
DATE SAMPLED:	11/20/87	11/21/87	11/21/87	11/19/87	12/21/87	12/21/87	11/19/87
<hr/>							
*** GROCHEMICAL PARAMETERS ***							
PP	CAS NO	COMPOUND					
CYANIDE	J N	J N	N	ND	ND	ND	ND
TOTAL ORGANIC CARBON	ND	ND	ND	ND	ND	ND	ND
CATION EXCHANGE CAPACITY	ND	ND	ND	ND	ND	ND	ND
OIL & GREASE	ND	ND	ND	ND	ND	ND	ND
FENAC	J 140	J 7400	J 880	J 8200	ND	ND	ND
B-NAPHTHYLAMINE	ND	1400	980	J 1100	ND	ND	J 2200
TOTAL SOLIDS	ND	ND	ND	ND	ND	ND	ND
SIEVE SIZE 1 1/2"	ND	ND	ND	ND	ND	ND	ND
SIEVE SIZE 1"	ND	ND	ND	ND	ND	ND	ND
SIEVE SIZE 3/4"	ND	ND	ND	ND	ND	ND	ND
SIEVE SIZE 1/2"	ND	ND	ND	ND	ND	ND	ND
SIEVE SIZE 3/8"	ND	ND	ND	ND	ND	ND	ND
SIEVE SIZE NO. 4	ND	ND	ND	ND	ND	ND	ND
SIEVE SIZE NO. 10	ND	ND	ND	ND	ND	ND	ND
SIEVE SIZE NO. 40	ND	ND	ND	ND	ND	ND	ND
SIEVE SIZE NO. 60	ND	ND	ND	ND	ND	ND	ND
SIEVE SIZE NO. 200	ND	ND	ND	ND	ND	ND	ND
PARTICLE SIZE (MM)	0.024	ND	ND	ND	ND	ND	ND
PARTICLE SIZE (MM)	0.007	ND	ND	ND	ND	ND	ND
PARTICLE SIZE (MM)	0.001	ND	ND	ND	ND	ND	ND
LIQUID LIMIT	ND	ND	ND	ND	ND	ND	ND
PLASTIC LIMIT	ND	ND	ND	ND	ND	ND	ND
MOISTURE CONTENT	ND	ND	ND	ND	ND	ND	ND
SPECIFIC GRAVITY (FINE GRAIN)	ND	ND	ND	ND	ND	ND	ND

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AR302689

DRAKE CHEMICAL SITE - PHASE III RI SOILS (FIXED BASE)

SAMPLE NUMBER:	DCTFB14-0002	DCTFB16-0810	DCTFB17-0102	DCTFB2-0405	DCTFB20-0708	DCTFB21-1213
TRAFFIC REPORT NUMBER:	CM269	CM263	CM261	CM253	CM262	CM260
FRACTION OF SOLIDS:						
DILUTION FACTOR:	DL = 1	DL = 1	DL = 1	DL = 1	DL = 1	DL = 1
X MOISTURE/% SOLID/ OR DESCRIPTION:	9	23	62.1	28.0	49	20.7
UNITS:	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG
DATE SAMPLED:	11/22/87	11/20/87	11/19/87	11/18/87	11/21/87	11/19/87

*** VOLATILES ***

PP	CAS NO	COMPOUND	B 170B	B 40B	J 9J	J 170B	J 20
			ND	ND	R	ND	R 6J
		ACETONE	ND	UJ	UJ	UJ	ND
		2-BUTANONE	ND	UJ	UJ	UJ	ND
		2-HEXANONE	ND	UJ	UJ	UJ	ND
		4-METHYL-2-PENTANONE	ND	ND	ND	ND	ND
		4-METHYL-2-PENTANE	ND	ND	ND	ND	ND
4V	71-43-2	BENZENE	ND	ND	ND	ND	ND
86V	108-08-3	TOLUENE	ND	IJ	ND	ND	ND
38V	100-41-4	ETHYL BENZENE	ND	IJ	ND	ND	ND
		TOTAL XYLENES	ND	B 17B	ND	ND	ND
		95-47-6	ND	ND	ND	ND	ND
		100-42-5	STYRENE	ND	ND	ND	ND
		108-90-7	CHLOROBENZENE	ND	ND	ND	ND
		78-93-3	1,1,2,2-TETRACHLOROETHANE	ND	ND	ND	ND
		591-78-6	1,1,1-TRICHLOROETHANE	UJ	ND	ND	ND
		108-10-1	1,1,1,2-TRICHLOROETHANE	ND	ND	ND	ND
		71-55-6	1,1,1,2,2-PENTA	ND	ND	ND	ND
		79-00-5	1,1,1,2,2,3-HEXA	ND	ND	ND	ND
		75-34-3	1,1-DICHLOROETHANE	ND	ND	ND	ND
		10V	107-06-2	1,2-DICHLOROETHANE	UJ	ND	ND
		16V	75-00-3	CHLOROETHANE	UJ	ND	ND
		11V	71-55-6	1,1,1-TRICHLOROETHANE	UJ	ND	ND
		14V	79-00-5	1,1,1,2-TRICHLOROETHANE	ND	ND	ND
		10V	75-34-3	1,1-DICHLOROETHANE	ND	ND	ND
		10V	107-06-2	1,2-DICHLOROETHANE	UJ	ND	ND
		16V	75-00-3	CHLOROETHANE	UJ	ND	ND
		29V	75-35-4	1,1-DICHLOROETHENE	ND	ND	ND
		88V	75-01-4	VINYL CHLORIDE	ND	ND	ND
		6V	66-23-5	CARBON TETRACHLORIDE	UJ	ND	ND
		30V	156-60-5	TRANS-1,2-DICHLOROETHENE	ND	ND	ND
		23V	67-66-3	CHLOROPHEN	UJ	ND	ND
		44V	75-09-2	METHYLENE CHLORIDE	B 82B	B 21B	B 39B
		45V	74-87-3	CHLOROMETHANE	UJ	ND	ND
		32V	78-87-5	1,2-DICHLOROPROPANE	ND	ND	ND
		33VT	10061-02-6	TRANS-1,3-DICHLOROPROPENE	ND	UJ	UJ
		33VC	10061-01-5	CIS-1,3-DICHLOROPROPENE	ND	UJ	ND
		47V	75-25-2	BROMOFORM	ND	ND	ND
		46V	74-83-9	BROMOMETHANE	ND	ND	ND
		48V	75-27-4	BROMODICHLOROMETHANE	ND	UJ	ND
		51V	124-48-1	CHLORODIBROMOMETHANE	ND	ND	ND

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DRAKE CHEMICAL SITE - PHASE III RI SOILS (FIXED BASE)

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AR302691

DRAKE CHEMICAL SITE - PHASE III RI SOILS (FIXED BASE)

SAMPLE NUMBER: DCTFB14-0002
 TRAFFIC REPORT NUMBER: CM269
 FRACTION OF SOLIDS:
 DILUTION FACTOR:
 X MOISTURE/% SOLID/ OR DESCRIPTION:
 UNITS:
 DATE SAMPLED:

PP	CAS NO	COMPOUND	DCTFB16-0810 CM263	DCTFB17-0102 CM261	DCTFB2-0405 CM253	DCTFB20-0708 CM262	DCTFB21-1213 CM260
66B	117-81-7	BIS(2-ETHYLHEXYL)PHthalate	ND	ND	ND	ND	ND
68B	84-74-2	DI- <i>n</i> -BUTYL PHthalate	ND	ND	ND	ND	ND
67B	65-68-7	BUTYL BENZYL PHthalate	ND	ND	ND	ND	ND
77B	208-96-8	ACETAPHTHALENE	4200J	ND	ND	ND	ND
78B	120-12-7	ANTHRACENE	8200J	ND	ND	ND	ND
72B	56-55-3	BENZO(A)ANTHRACENE	22000	470J	ND	ND	ND
14B	205-99-2	BENZO(B)FLUORANTHENE	14000J	ND	ND	ND	ND
	207-08-9	BENZO(K)FLUORANTHENE	16000J	ND	ND	ND	ND
79B	191-24-2	BENZO(O,H,I)PENYLENE	ND	ND	ND	ND	ND
73B	50-32-8	BENZO(A)PYRENE	19000J	ND	ND	ND	ND
76B	218-01-9	CHRYSENE	23000	ND	ND	ND	ND
82B	53-70-3	DI BENZO(A,H)ANTHRACENE	ND	ND	ND	ND	ND
	39B	206-44-0	FLUORANTHENE	51000	ND	ND	ND
80B	96-73-7	FLUORENE	7200J	ND	ND	ND	ND
63B	193-39-5	INDENO(1,2,3-CD)PYRENE	10000J	ND	ND	ND	ND
55B	91-20-3	NAPHTHALENE	ND	ND	ND	ND	ND
	91-57-6	2-METHYLNAPHTHALENE	ND	ND	ND	ND	ND
61B	85-01-8	PHENANTHRENE	53000	ND	ND	ND	ND
64B	129-00-0	PYRENE	48000	ND	ND	ND	ND
	95-50-1	1,2-DICHLOROBENZENE	ND	ND	ND	ND	ND
26B	541-73-1	1,3-DICHLOROBENZENE	ND	ND	ND	ND	ND
27B	106-46-7	1,4-DICHLOROBENZENE	ND	ND	ND	ND	ND
86	120-82-1	1,2,4-TRICHLOROBENZENE	ND	ND	ND	ND	ND
56B	98-95-3	NITROBENZENE	ND	ND	ND	ND	ND
	99-09-2	3-NITROANILINE	ND	ND	ND	ND	ND
	100-01-6	4-NITROANILINE	ND	ND	ND	ND	ND
	106-47-8	4-CHLOROANILINE	ND	ND	ND	ND	ND
53B	77-17-4	HEAChLOROCYCLOPENTADIENE	ND	ND	ND	ND	ND
28B	91-94-1	3,3'-DICHLOROBENZIDINE	ND	J 3300	UJ	ND	ND
65-86-0	BENZOIC ACID	ND	UJ	ND	ND	UJ	ND
100-51-6	BENZYL ALCOHOL	ND	UJ	UJ	ND	UJ	ND
132-64-9	DIBENZOFURAN	ND	ND	ND	ND	ND	ND

*** BASE/NEUTRALS ***

66B	117-81-7	BIS(2-ETHYLHEXYL)PHthalate	ND	ND	ND	ND	ND
68B	84-74-2	DI- <i>n</i> -BUTYL PHthalate	ND	ND	ND	ND	ND
67B	65-68-7	BUTYL BENZYL PHthalate	ND	ND	ND	ND	ND
77B	208-96-8	ACETAPHTHALENE	4200J	ND	ND	ND	ND
78B	120-12-7	ANTHRACENE	8200J	ND	ND	ND	ND
72B	56-55-3	BENZO(A)ANTHRACENE	22000	470J	ND	ND	ND
14B	205-99-2	BENZO(B)FLUORANTHENE	14000J	ND	ND	ND	ND
	207-08-9	BENZO(K)FLUORANTHENE	16000J	ND	ND	ND	ND
79B	191-24-2	BENZO(O,H,I)PENYLENE	ND	ND	ND	ND	ND
73B	50-32-8	BENZO(A)PYRENE	19000J	ND	ND	ND	ND
76B	218-01-9	CHRYSENE	23000	ND	ND	ND	ND
82B	53-70-3	DI BENZO(A,H)ANTHRACENE	ND	ND	ND	ND	ND
	39B	206-44-0	FLUORANTHENE	51000	ND	ND	ND
80B	96-73-7	FLUORENE	7200J	ND	ND	ND	ND
63B	193-39-5	INDENO(1,2,3-CD)PYRENE	10000J	ND	ND	ND	ND
55B	91-20-3	NAPHTHALENE	ND	ND	ND	ND	ND
	91-57-6	2-METHYLNAPHTHALENE	ND	ND	ND	ND	ND
61B	85-01-8	PHENANTHRENE	53000	ND	ND	ND	ND
64B	129-00-0	PYRENE	48000	ND	ND	ND	ND
	95-50-1	1,2-DICHLOROBENZENE	ND	ND	ND	ND	ND
26B	541-73-1	1,3-DICHLOROBENZENE	ND	ND	ND	ND	ND
27B	106-46-7	1,4-DICHLOROBENZENE	ND	ND	ND	ND	ND
86	120-82-1	1,2,4-TRICHLOROBENZENE	ND	ND	ND	ND	ND
56B	98-95-3	NITROBENZENE	ND	ND	ND	ND	ND
	99-09-2	3-NITROANILINE	ND	ND	ND	ND	ND
	100-01-6	4-NITROANILINE	ND	ND	ND	ND	ND
	106-47-8	4-CHLOROANILINE	ND	ND	ND	ND	ND
53B	77-17-4	HEAChLOROCYCLOPENTADIENE	ND	ND	ND	ND	ND
28B	91-94-1	3,3'-DICHLOROBENZIDINE	ND	J 3300	UJ	ND	ND
65-86-0	BENZOIC ACID	ND	UJ	ND	ND	UJ	ND
100-51-6	BENZYL ALCOHOL	ND	UJ	UJ	ND	UJ	ND
132-64-9	DIBENZOFURAN	ND	ND	ND	ND	ND	ND

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AR302692

DRAKE CHEMICAL SITE - PHASE III RI SOILS (FIXED BASE)

SAMPLE NUMBER:	DCTFB14-0002	DCTFB16-0010	DCTFB17-0102	DCTFB2-0405	DCTFB20-0708	DCTFB21-1213
TRAFFIC REPORT NUMBER:	CM269	CM263	CM261	CM253	CM262	CM260
FRACTION OF SOLIDS:						
DILUTION FACTOR:	DL = 0.4946	DL = 11.95	DL = 5.738	DL = 10.92	DL = 0.3145	DL = 14.16
X MOISTURE/% SOLID/ OR DESCRIPTION:	9	23	62.1	28.0	4.9	20.7
UNITS:	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG
DATE SAMPLED:	11/22/87	11/20/87	11/19/87	11/18/87	11/21/87	11/19/87

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AR302693

DRAKE CHEMICAL SITE - PHASE III RI SOILS (FIXED BASE)

SAMPLE NUMBER:	DCTFB14-0002	DCTFB16-0810	DCTFB17-0102	DCTFB2-0405	DCTFB20-0708	DCTFB21-1213
TRAFFIC REPORT NUMBER:	CM269	CM263	CM261	CM253	CM262	CM260
FRACTION OF SOLIDS:	DL = 0.4946	DL = 11.95	DL = 5.738	DL = 10.92	DL = 14.16	DL = 13.97
X MOISTURE/% SOLID/ OR DESCRIPTION:	9	23	62.1	28.0	4.9	20.7
UNITS:	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG
DATE SAMPLED:	11/22/87	11/20/87	11/19/87	11/18/87	11/19/87	12/21/87

*** ACIDS ***

PP	CAS NO	COMPOUND	ND	ND	ND	ND
65A	108-95-2	PHENOL	ND	ND	ND	ND
	95-48-7	2-METHYLPHENOL	ND	ND	ND	ND
	106-44-5	4-METHYLPHENOL	ND	ND	ND	ND
34A	105-57-9	2,4-DIMETHYLPHENOL	ND	ND	ND	ND
24A	95-57-8	2-CHLOROPHENOL	ND	ND	ND	ND
31A	120-33-2	2,4-DICHLOROPHENOL	ND	ND	ND	ND
	95-95-4	2,4,5-TRICHLOROPHENOL	ND	ND	ND	ND
21A	88-06-2	2,4,6-TRICHLOROPHENOL	ND	ND	ND	ND
64A	87-86-5	PENTACHLOROPHENOL	ND	ND	ND	ND
22A	59-50-7	4-CHLORO-3-METHYLPHENOL	ND	ND	ND	ND
57A	88-75-5	2-NITROPHENOL	ND	ND	ND	ND
58A	100-02-7	4-NITROPHENOL	ND	ND	ND	ND
59A	51-28-5	2,4-DINITROPHENOL	ND	ND	ND	ND
60A	534-52-1	4,6-DINITRO-2-METHYLPHENOL	ND	ND	ND	ND

AR302694

DRAKE CHEMICAL SITE - PHASE III RI SOILS (FIXED BASE)

SAMPLE NUMBER:	DCTPB14-00002	DCTPB16-0810	DCTPB17-0102	DCTPB2-0405	DCTPB21-1213
TRAFFIC REPORT NUMBER:	CM269	CM263	CM261	CM253	CM260
FRACTION OF SOLIDS:					
DIUTION FACTOR:					
% MOISTURE/% SOLID/ OR DESCRIPTION:	9	DL = 0.0197	DL = 0.1195	DL = 0.0674	DL = 0.1416
UNITS:	UG/KG	23	62.1	28.0	20.7
DATE SAMPLED:	11/22/87	UG/KG	UG/KG	UG/KG	UG/KG
	11/20/87	11/19/87	11/18/87	11/21/87	11/19/87
<hr/>					
*** PESTICIDES ***					
PP	CAS NO	COMPOUND			
319-84-6		ALPHA-BHC	ND	ND	ND
103P 319-85-7		BETA-BHC	ND	ND	ND
104P 319-86-8		DELTA-BHC	ND	ND	ND
105P 58-89-9		Gamma-BHC (LINDANE)	ND	ND	ND
100P 76-14-8		HEPTACHLOR	ND	ND	ND
101P 1024-57-3		HEPTACHLOR EPOXIDE	ND	ND	ND
92P 50-29-3		4,4'-DDT	ND	ND	ND
72-54-8		4,4'-DDD	ND	ND	ND
93P 72-55-9		4,4'-DDE	ND	ND	ND
98P 72-20-9		ENDRIN	ND	ND	ND
53,94-70		ENDRIN KETONE	ND	ND	ND
99P 7421-93-4		ENDRIN ALDEHYDE	ND	ND	ND
95P 959-98-8		ENDOSULFAN 1	ND	ND	ND
332,3-65		ENDOSULFAN 11	ND	ND	ND
97P 1031-07-8		ENDOSULFAN SULFATE	ND	ND	ND
309-00-2		ALDRIN	ND	ND	ND
90P 60-57-1		DIELDRIN	ND	ND	ND
91P 57-74-9		CHLORDANE	ND	ND	ND
72-43-5		METHOXYCHLOR	ND	ND	ND
113P 8001-36-2		TOXAPHENE	ND	ND	ND

AR302695

DRAKE CHEMICAL SITE - PHASE III RI SOILS (FIXED BASE)

SAMPLE NUMBER: DCTFB11-0002
 TRAFFIC REPORT NUMBER: MCN269
 FRACTION OF SOLIDS:
 DILUTION FACTOR:
 X MOISTURE/X SOLID/ OR DESCRIPTION:
 UNITS: MG/KG
 DATE SAMPLED: 11/22/87

SAMPLE NUMBER:	DCTFB11-0002	DCTFB16-0810	DCTFB17-0102	DCTFB2-0405	DCTFB20-0708	DCTFB21-1213
TRAFFIC REPORT NUMBER:	MCN269	MCN013	MCN011	MCN003	MCN012	MCN010
FRACTION OF SOLIDS:						
DILUTION FACTOR:						
X MOISTURE/X SOLID/ OR DESCRIPTION:	/92.6	/74.6	/41.3	/75.6	/62.3	/82.1
UNITS:	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG
DATE SAMPLED:	11/20/87	11/19/87	11/18/87	11/21/87	11/19/87	12/21/87

*** INORGANICS ***

PP	CAS NO	COMPOUND				
1		ALUMINUM	14000*	1440	8680	2120*
2		ANTIMONY	J N	J N	J N	J N
3		ARSENIC	J 8.1N*	ND	4.5	J [3.1]N*3
4		BARIUM	122	98	[7.7]	7.0
5		BERYLLIUM	(0.50)	ND	186	94
6		CADMIUM	1.4	ND	1.7	1.5
7		CALCIUM	36900	219000	ND	ND
8		CHROMIUM	19*	50*	ND	ND
9		COBALT	[8.8]	ND	ND	ND
10		COPPER	32*	11*	B [5.3]	18
11		IRON	24800*	2730*	3440	5580*
12		LEAD	55	54S	J 13N*	32
13		MAGNESIUM	2370E	[448]E	44400	J 9.9N*
14		MANGANESE	460	28	189	113
15		MERCURY	0.20	ND	ND	ND
16		NICKEL	20	[7.7]	ND	11
17		POTASSIUM	2160	[626]	ND	[565]
18		SELENIUM	J N	ND	J N	ND
19		SILVER	ND	[3.8]	ND	ND
20		SODIUM	[273]	[64]	B [105]	ND
23		VANADIUM	27	[5.0]	[211]	24
24		ZINC	J 94N*	J 23N*	[10]	J 14N*
				28	69	101

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DRAKE CHEMICAL SITE - PHASE III RI SOILS (FIXED BASE)

SAMPLE NUMBER:	DCTFB14-0002	DCTFB16-0810	DCTFB17-0102	DCTFB2-0406	DCTFB20-0708	DCTFB21-1213
TRAFFIC REPORT NUMBER:	MCM269	MCM013	MCM011	MCM003	MCM012	MCM010
FRACTION OF SOLIDS:						
DILUTION FACTOR:						
% MOISTURE/X SOLID/ OR DESCRIPTION:	PEX1/B-NX1 /92.6	PEX100/B-NX1 /74.6	PEX4/B-NX1 /41.3	PEX50/B-NX1 /75.6	PEX100/B-NX1 /62.3	PEX5/B-NX1 /82.1
UNITS:						
DATE SAMPLED:	11/22/87	11/20/87	11/19/87	11/18/87	11/21/87	11/19/87

*** GEOCHEMICAL PARAMETERS ***

PP	CAS NO	COMPOUND
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CYANIDE	J N	N	N	N	J N	N
TOTAL ORGANIC CARBON	ND	ND	ND	ND	ND	ND
CATION EXCHANGE CAPACITY	ND	ND	ND	ND	ND	ND
OIL & GREASE	ND	ND	ND	ND	ND	ND
PERAC	J 12	J 1400	J 500	J 320	J 400	ND
B-NAPHTHYLAMINE	ND	580	UJ	UJ	UJ	ND
TOTAL SOLIDS	ND	ND	ND	ND	ND	ND
SIEVE SIZE 1 1/2"	ND	ND	ND	ND	ND	ND
SIEVE SIZE 1"	ND	ND	ND	ND	ND	ND
SIEVE SIZE 3/4"	ND	ND	ND	ND	ND	ND
SIEVE SIZE 1/2"	ND	ND	ND	ND	ND	ND
SIEVE SIZE 3/8"	ND	ND	ND	ND	ND	ND
SIEVE SIZE NO. 4	ND	ND	ND	ND	ND	ND
SIEVE SIZE NO. 10	ND	ND	ND	ND	ND	ND
SIEVE SIZE NO. 40	ND	ND	ND	ND	ND	ND
SIEVE SIZE NO. 60	ND	ND	ND	ND	ND	ND
SIEVE SIZE NO. 200	ND	ND	ND	ND	ND	ND
PARTICLE SIZE (MM)	0.024	ND	ND	ND	ND	ND
PARTICLE SIZE (MM)	0.007	ND	ND	ND	ND	ND
PARTICLE SIZE (MM)	0.001	ND	ND	ND	ND	ND
LIQUID LIMIT	ND	ND	ND	ND	ND	ND
PLASTIC LIMIT	ND	ND	ND	ND	ND	ND
PLASTIC INDEX	ND	ND	ND	ND	ND	ND
MOISTURE CONTENT	ND	ND	ND	ND	ND	ND
SPECIFIC GRAVITY (FINE GRAIN)	ND	ND	ND	ND	ND	ND

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DRAKE CHEMICAL SITE - PHASE III RI SOILS (FIXED BASE)

SAMPLE NUMBER:	DCTFB22-0675	DCTFB22-1517	DCTFB24-0708	DCTFB25-0445	DCTFB26-0405A
TRAFFIC REPORT NUMBER:	CN270	CQ389	CQ390	CQ393	CQ394
FRACTION OF SOLIDS:					
DLUTION FACTOR:	DL = 1		DL = 1.0	DL = 2.0	DL = 0.358
X MOISTURE/X SOLID/ OR DESCRIPTION:	23	22	25	25	24 DUP
UNITS:	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG
DATE SAMPLED:	11/22/87	11/24/87	11/04/87	11/05/87	11/06/87

*** VOLATILES ***

PP	CAS NO	COMPOUND	B 410B	B 58B	B 140B	J 240B	B 66B
67-64-1		ACETONE	ND	ND	ND	ND	ND
78-93-3		2-BUTANONE	ND	ND	ND	ND	ND
591-78-6		2-PHEXANONE	ND	ND	ND	ND	ND
108-10-1		4-METHYL-2-PENTANONE	ND	ND	ND	ND	ND
4V	71-43-2	BEZENE	ND	ND	ND	ND	ND
86V	108-88-3	TOLUENE	3J	ND	ND	ND	ND
38V	100-41-4	ETHYLBENZENE	3J	ND	ND	ND	ND
	95-47-6	TOTAL XYLEMES	19	ND	ND	ND	ND
	100-42-5	STYRENE	ND	ND	ND	ND	ND
7V	108-90-7	CHLOROBENZENE	180	ND	ND	36	23
15V	79-34-5	1,1,2,2-TETRACHLOROETHANE	ND	ND	ND	ND	ND
11V	71-55-6	1,1,1-TRICHLOROETHANE	UJ	ND	ND	ND	ND
14V	79-00-5	1,1,2-TRICHLOROETHANE	ND	ND	ND	ND	ND
10V	75-34-3	1,1-DICHLOROETHANE	ND	ND	ND	ND	ND
10V	107-06-2	1,2-DICHLOROETHANE	UJ	ND	ND	ND	ND
16V	75-00-3	CHLOROETHANE	UJ	ND	ND	ND	ND
85V	127-18-4	TETRACHLOROETHENE	ND	ND	ND	ND	ND
87V	79-01-6	TRICHLOROETHENE	2J	ND	ND	ND	ND
30V	156-60-5	TRANS-1,2-DICHLOROETHENE	ND	ND	ND	ND	ND
29V	75-35-4	1,1-DICHLOROETHENE	ND	ND	ND	ND	ND
88V	75-01-4	VINYL CHLORIDE	ND	ND	ND	ND	ND
6V	56-23-5	CARBON TETRACHLORIDE	UJ	ND	ND	ND	ND
23V	67-66-3	CHLOROFORM	ND	ND	ND	ND	ND
44V	75-09-2	METHYLENE CHLORIDE	B 120	ND	ND	ND	ND
45V	74-87-3	CHLORMETHANE	UJ	ND	ND	ND	ND
32V	78-87-5	1,2-DICHLOROPROpane	ND	ND	ND	ND	ND
33V	10061-02-6	TRANS-1,3-DICHLOROPROPENE	ND	ND	ND	ND	ND
47V	75-25-2	BROMOFORM	ND	ND	ND	ND	ND
46V	74-83-9	BROMOMETHANE	ND	ND	UJ	ND	ND
48V	75-27-4	BROMODICHLOROMETHANE	ND	ND	ND	ND	ND
51V	124-48-1	CHLORODIBROMOMETHANE	ND	ND	ND	ND	ND

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AR302698

DRAKE CHEMICAL SITE - PHASE III RI SOILS (FIXED BASE)

SAMPLE NUMBER:	DCTFB22-0675	DCTFB22-1517	DCTFB24-0708	DCTFB25-0445	DCTFB26-0405	DCTFB26-0405A
TRAFFIC REPORT NUMBER:	CN270	CQ389	CQ390	CQ393	CQ394	DCTFB26-0405B
FRACTION OF SOLIDS:						
DILUTION FACTOR:	DL = 1	DL = 1.0	DL = 2.0	DL = 0.441	DL = 0.358	
% MOISTURE/X SOLID/ OR DESCRIPTION:	23	22	25	25	24 DUP	
UNITS:	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG
DATE SAMPLED:	11/22/87	11/24/87	11/04/87	11/05/87	11/06/87	11/06/87

75-15-0	CARBON DISULFIDE	91	ND	ND	ND	ND
19V	110-75-8	2-CHLOROETHYL VINYL ETHER	ND	ND	ND	ND
108-05-4	VINYL ACETATE	UJ	ND	ND	ND	ND

AR302699
H-105

DRAKE CHEMICAL SITE - PHASE II SOILS (TAXONIC BASE)

*** BASE/NEUTRAL3 ***

PP	CAS NO	COMPOUND	
66B	117-81-7	BIS(2-ETHYLHEXYL) PHthalATE	ND
68B	84-74-2	DI-N-BUTYL PHthalATE	ND
67B	85-68-7	BUTYL BENZYL PHthalATE	ND
77B	208-96-8	ACENAPHTHYLENE	ND
78B	120-12-7	ANTHRACENE	ND
72B	56-55-3	BENZO(A)ANTHRACENE	ND
74B	205-99-2	BENZO(B)FLUORANTHENE	ND
	207-08-9	BENZO(K)FLUORANTHENE	ND
79B	191-24-2	BENZO(G,H,I)PERYLENE	ND
73B	50-32-8	BENZO(A)PYRENE	ND
76B	218-01-9	CHRYSENE	ND
82B	53-70-3	DIBENZO(A,H)ANTHRACENE	ND
39B	206-44-0	FLUORANTHENE	ND
80B	86-73-7	FLUORENE	ND
83B	193-39-5	INDENO(1,2,3-CD)PYRENE	ND
55B	91-20-3	NAPHTHALENE	ND
	91-57-6	2-METHYLNAPHTHALENE	ND
81B	86-01-8	PHENANTHRENE	ND
84B	129-00-0	PYRENE	ND
	95-50-1	1,2-DICHLOROBENZENE	12000J
26B	541-73-1	1,3-DICHLOROBENZENE	ND
27B	106-46-7	1,4-DICHLOROBENZENE	ND
88	120-82-1	1,2,4-TRICHLOROBENZENE	3600J
56B	98-95-3	NITROBENZENE	ND
	99-09-2	3-NITROANILINE	ND
	100-01-6	4-NITROANILINE	ND
	106-47-8	4-CHLOROANILINE	ND
53B	77-47-4	HEXACHLOROCYCLOPENTADIENE	ND
28B	91-94-1	3,3'-DICHLOROBENZIDINE	R
	65-85-0	BENZOIC ACID	ND
	100-51-6	BENZYL ALCOHOL	ND
	132-64-9	DIBENZOFURAN	ND

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AR302700

DRAKE CHEMICAL SITE - PHASE III RI SOILS (FIXED BASE)

SAMPLE NUMBER:	DCTFB22-0375	DCTFB22-1517	DCTFB24-0708	DCTFB25-0445	DCTFB26-0405
TRAFFIC REPORT NUMBER:	CM270	CQ389	CQ390	CQ393	CQ394
FRACTION OF SOLIDS:					
DILUTION FACTOR:	DL = 0.4297	DL = 12.07	DL = 12.61	DL = 10.98	DL = 11.56
X MOISTURE/% SOLID/ OR DESCRIPTION:	23 UG/KG 11/22/87	22 UG/KG 11/24/87	25 UG/KG 11/04/87	25 UG/KG 11/06/87	24 DUP UG/KG 11/06/87
UNITS:					
DATE SAMPLED:					

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AR302701

DRAKE CHEMICAL SITE - PHASE III RI SOILS (FIXED BASE)

SAMPLE NUMBER:	DCTFB22-0675	DCTFB22-1517	DCTFB24-0708	DCTFB25-0445	DCTFB26-0405	DCTFB26-0405A
TRAFFIC REPORT NUMBER:	CW270	Q9389	Q9390	Q9393	CQ394	CQ394
FRACTION OF SOLIDS:						
DILUTION FACTOR:	DL = 0.4297		DL = 12.07	DL = 12.61		DL = 11.56
X MOISTURE/% SOLID/ OR DESCRIPTION:	23	22	25	25	24 DUP	
UNITS:	UG/KG	UG/MG	UG/KG	UG/KG	UG/KG	UG/KG
DATE SAMPLED:	11/22/87	11/24/87	11/04/87	11/05/87	11/06/87	11/06/87
*** ACIDS ***						
PP	CAS NO	COMPOUND				
65A	108-95-2	PHENOL	UL	ND	ND	ND
	95-48-7	2-METHYLPHENOL	UL	ND	ND	ND
	106-44-5	4-METHYLPHENOL	UL	ND	ND	ND
34A	105-67-9	2,4-DIMETHYLPHENOL	UL	ND	ND	ND
24A	95-57-8	2-CHLOROPHENOL	UL	ND	ND	ND
31A	120-33-2	2,4-DICHLOROPHENOL	UL	ND	ND	ND
	95-95-4	2,4,5-TRICHLOROPHENOL	UL	ND	ND	ND
21A	88-06-2	2,4,6-TRICHLOROPHENOL	UL	ND	ND	ND
64A	87-86-5	PENTACHLOROPHENOL	UL	ND	ND	ND
22A	59-50-7	4-CHLORO-3-METHYLPHENOL	UL	ND	ND	ND
57A	88-75-5	2-NITROPHENOL	UL	ND	ND	ND
58A	100-02-7	4-NITROPHENOL	UL	ND	UJ	ND
59A	51-28-5	2,4-DINITROPHENOL	UL	ND	UJ	ND
60A	534-52-1	4,6-DINITRO-2-METHYLPHENOL	UL	ND	UJ	J 3000J
					ND	ND

AR302702

T-1108

DRAKE CHEMICAL SITE - PHASE III RI SOILS (FIXED BASE)

SAMPLE NUMBER: DCTFB22-0675
TRAFFIC REPORT NUMBER: CM270
FRACTION OF SOLIDS: DL = 0.0164
DILUTION FACTOR: 23
% MOISTURE/% SOLID/ OR DESCRIPTION: UG/KG
UNITS: 11/22/87
DATE SAMPLED: 11/24/87

	DCTFB22-1517	DCTFB24-0708	DCTFB25-0445	DCTFB26-0405	DCTFB26-0405A
	CQ389	CQ390	CQ393	CQ394	
DL = 0.1207	DL = 0.1261	DL = 0.1098	DL = 0.1156		
22	25	25	24 DUP		
UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	
11/04/87	11/05/87	11/06/87	11/06/87	11/06/87	

PESTICIDES ***

PP	CAS NO	COMPOUND
	319-84-6	ALPHA-BHC
	319-85-7	BETA-BHC
103P	319-86-8	DELTA-BHC
104P	58-89-9	GAMMA-BHC (LINDAN)
105P	76-44-8	HEPTACHLOR
100P	1024-57-3	HEPTACHLOR EPOXID
101P	50-29-3	4,4'-DDT
92P	72-54-8	4,4'-DDD
93P	72-55-9	4,4'-DDE
98P	72-20-8	ENDRIN
	53494-70	KETONE
999P	7421-33-4	ENDRIN ALDEHYDE
95P	959-98-8	ENDOSULFAN I
	33213-65	ENDOSULFAN II
97P	1031-07-8	ENDOSULFAN SULFATE
	309-00-2	ALDRIN
90P	60-57-1	DIELDRIN
91P	57-74-9	CHLORDANE
	72-43-5	METHOXICHLOR
113P	8001-35-2	TOXAPHENE

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AR302703

DRAKE CHEMICAL SITE - PHASE III RI SOILS (FIXED BASE)

SAMPLE NUMBER:	DCTFB22-0676	DCTFB22-1517	DCTFB24-0708	DCTFB25-0445	DCTFB26-0405	DCTFB26-0405A
TRAFFIC REPORT NUMBER:	NCN270	NCQ389	NCQ390	NCQ393	NCQ394	NCQ394
FRACTION OF SOLIDS:		NV		NV		
DILUTION FACTOR:						
X MOISTURE/% SOLID/ OR DESCRIPTION:	/76.9 KG/KG	22 KG/KG	39 KG/KG	23 KG/KG	26 DUP KG/KG	
UNITS:	11/22/87	11/24/87	11/04/87	11/05/87	11/06/87	11/06/87
DATE SAMPLED:						

*** INORGANICS ***

PP	CAS NO	COMPOUND				
1	18400*	ALUMINUM	ND	11000	5350	3640
2	J N	ANTIMONY	ND	N	R N	4240
3	J 18N*3+	ARSENIC	ND	14	5.6	R N
4	251	BARIUM	ND	65	[47]	L 6.0N
5	[1.1]	BERILLIUM	ND	ND	ND	L 6.5N
6	1.4	CADMIUM	ND	ND	ND	J 102
7	3950	CALCIUM	ND	[520]	ND	ND
8	25*	CHROMIUM	ND	82	44	ND
9	15	COBALT	ND	18	[5.9]	ND
10	53*	COPPER	ND	26	24	ND
11	38900*	IRON	ND	29300	11800	3950
12	38	LEAD	ND	24	15	L 30N*
13	2320E	MAGNESIUM	ND	15800E*	16800E*	J 1935
14	493	MANGANESE	ND	310	111	J 20
15	ND	MERCURY	ND	N	ND	J 16
16	33	NICKEL	ND	26	[11]	ND
17	2440	POTASSIUM	ND	[824]	[681]	5030
18	J N	SELENIUM	ND	N	ND	L 31N*
19	ND	SILVER	ND	ND	ND	J 1460
20	[203]	SODIUM	ND	[343]	[237]	J 29
23	27	VANADIUM	ND	19	[8.9]	ND
24	J 196N*	ZINC	ND	224	114	[7.0]

AR302704

DRAKE CHEMICAL SITE - PHASE III RI SOILS (FIXED BASE)

SAMPLE NUMBER:	DCTFB22-0675	DCTFB22-1617	DCTFB24-0708	DCTFB25-0446	DCTFB26-0405	DCTFB26-0405A	DCTFB26-0405B
TRAFFIC REPORT NUMBER:	MCR270	MCR389	NV	MCR390	NV	MCR394	MCR394
FRACTION OF SOLIDS:							
DILUTION FACTOR:							
X MOISTURE/Y SOLID/ OR DESCRIPTION:	P10/B-NK1000 /76.9	B-NK1 22	B-NK1 39	B-NK1 23	26 DUP	B-NK2	
UNITS:							
DATE SAMPLED:	11/22/87	11/24/87	11/04/87	11/06/87	11/06/87	11/06/87	11/06/87

*** GEOCHEMICAL PARAMETERS ***

PP	CAS NO	COMPOUND	
CYANIDE	J N	ND	*
TOTAL ORGANIC CARBON		2800	ND
CATION EXCHANGE CAPACITY	ND	12	ND
OIL & GREASE	ND	ND	ND
PEENAC	J 480	NA	ND
B-NAPHTHYLAMINE	1500000	NA	UJ
TOTAL SOLIDS	ND	80.8	ND
SIEVE SIZE 1 1/2"	ND	NA	ND
SIEVE SIZE 1"	ND	NA	ND
SIEVE SIZE 3/4"	ND	NA	ND
SIEVE SIZE 1/2"	ND	NA	ND
SIEVE SIZE 3/8"	ND	NA	ND
SIEVE SIZE NO. 4	ND	NA	ND
SIEVE SIZE NO. 10	ND	NA	ND
SIEVE SIZE NO. 40	ND	NA	ND
SIEVE SIZE NO. 60	ND	NA	ND
SIEVE SIZE NO. 200	ND	NA	ND
PARTICLE SIZE (MM)	0.024	NA	ND
PARTICLE SIZE (MM)	0.007	ND	ND
PARTICLE SIZE (MM)	0.001	ND	ND
LIQUID LIMIT	ND	NA	ND
PLASTIC LIMIT	ND	NA	ND
PLASTIC INDEX	ND	NA	ND
MOISTURE CONTENT	ND	NA	ND
SPECIFIC GRAVITY (FINE GRAIN)	ND	NA	ND

AR302705

DRAKE CHEMICAL SITE - PHASE III RI SOILS (FIXED BASE)

SAMPLE NUMBER: TRAFFIC REPORT NUMBER:
FRACTION OF SOLIDS:
DILUTION FACTOR:
% MOISTURE/Z SOLID/ OR DESCRIPTION:
UNITS:
DATE SAMPLED:

DCT#27-0506 DCT

DCTFB27-0506 CQ392	DCTFB27-0506R CQ396	DCTFB28-0506 CQ396	DCTFB3-0708 C4254	DCTFB30-0708 CQ399	DCTFB31-0805 CQ388	DCTFB32-5506 CQ391
DL = 0.917 17 UG/KG 11/05/87	DL = 0.250 65 UG/KG 12/21/87	DL = 1 16.0 UG/KG 11/10/87	DL = 0.222 19 UG/KG 11/18/87	DL = 100 56 UG/KG 11/11/87	DL = 400 64 UG/KG 11/03/87	

*** VOLATILE ***

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AR302706

DRAKE CHEMICAL SITE - PHASE III RI SOILS (FIXED BASE)

SAMPLE NUMBER:	DCTFB27-0506	DCTFB27-0506R	DCTFB28-0506	DCTFB3-0708	DCTFB30-0708	DCTFB31-0895
TRAFFIC REPORT NUMBER:	CQ392		CQ396	CQ399	CQ388	CQ391
FRACTION OF SOLIDS:	DL = 0.917		DL = 0.250	DL = 1	DL = 100	DL = 400
DILUTION FACTOR:	17		65	16.0	56	64
X MOISTURE/X SOLID/ OR DESCRIPTION:	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG
UNITS:	11/05/87	12/21/87	11/0/87	11/18/87	11/11/87	11/03/87
DATE SAMPLED:						
75-15-0	CARBON DISULFIDE	ND	ND	ND	ND	ND
110-75-8	2-CHLOROBORTHYVINYL ETHER	ND	ND	ND	ND	ND
108-05-4	VINYL ACETATE	ND	ND	ND	ND	ND

AR302707

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DRAKE CHEMICAL SITE - PHASE III RI SOILS (FIXED BASE)

SAMPLE NUMBER:	DCTFB27-0506	DCTFB27-0506R	DCTFB28-0506	DCTFB3-0708	DCTFB31-0885	DCTFB32-5506
TRAFFIC REPORT NUMBER:	CQ392	CQ396	CQ399	CQ388	CQ391	
FRACTION OF SOLIDS:						
DILUTION FACTOR:	DL = 12.59	DL = 12.75	DL = 0.2886	DL = 12.18	DL = 0.2415	DL = 0.1746
X MOISTURE/Z SOLID/ OR DESCRIPTION:	17	65	16.0	19	56	64
UNITS:	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG
DATE SAMPLED:	11/05/87	12/21/87	11/10/87	11/18/87	11/11/87	11/03/87
*** BASE/NEUTRALS ***						
PP	CAS NO	COMPOUND				
66B	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	ND	ND	ND	ND
68B	64-74-2	DI-N-BUTYL PHTHALATE	ND	ND	ND	ND
67B	65-68-7	BUTYL BENZYL PHTHALATE	ND	ND	ND	ND
77B	208-96-8	ACENAPHTHYLENE	ND	ND	ND	ND
78B	120-12-7	ANTHRACENE	ND	ND	ND	ND
72B	56-55-3	BENZO(A)ANTHRACENE	ND	ND	ND	ND
74B	205-99-2	BENZO(B)FLUORANTHENE	UJ	ND	ND	ND
	207-08-9	BENZO(K)FLUORANTHENE	ND	ND	ND	ND
	79B	BENZO(G,H,I)PERYLENE	UJ	ND	ND	ND
	73B	BENZO(A)PYRENE	ND	ND	ND	ND
	76B	218-01-9	CHRYSENE	ND	ND	ND
	82B	53-70-3	DI BENZO(A,H)ANTHRACENE	ND	ND	ND
	39B	206-44-0	FLUORANTHENE	ND	ND	ND
	80B	66-73-7	FLUORENE	ND	ND	ND
	83B	193-39-5	INDENO(1,2,3-CD)PYRENE	ND	ND	ND
	55B	91-20-3	NAPHTHALENE	ND	ND	ND
		91-57-6	2-METHYLNAPHTHALENE	ND	ND	ND
	81B	85-01-8	PHENANTHRENE	ND	ND	ND
	84B	129-00-0	PYRENE	ND	ND	ND
	56B	98-95-3	NITROBENZENE	ND	ND	ND
		99-09-2	1,2-DICHLOROBENZENE	ND	ND	ND
	26B	541-73-1	1,3-DICHLOROBENZENE	ND	ND	ND
	27B	106-46-7	1,4-DICHLOROBENZENE	ND	ND	ND
	8B	120-82-1	1,2,4-TRICHLOROBENZENE	ND	ND	ND
			3-NITROBENZENE	ND	ND	ND
			3-NITROANILINE	ND	ND	ND
			4-NITROANILINE	ND	ND	ND
			4-CHLORONILINE	UJ	ND	ND
			HEXACHLOROCYCLOPENTADIENE	ND	ND	ND
	53B	77-47-4	3,3'-DICHLOROBENZIDINE	UJ	ND	ND
	28B	91-94-1	BENZOIC ACID	ND	ND	ND
	65-85-0	BENZYL ALCOHOL	ND	ND	ND	ND
	100-51-6	DIBENZOPURAN	ND	ND	ND	ND
	132-64-9					

AR302708

DRAKE CHEMICAL SITE - PHASE III RI SOILS (FIXED BASE)

SAMPLE NUMBER:	DCTFB27-0506	DCTFB27-0506R	DCTFB28-0506	DCTFB3-0708	DCTFB31-0885	DCTFB32-5506
TRAFFIC REPORT NUMBER:	CQ392	CQ396	CW254	CQ399	CQ388	CQ391
FRACTION OF SOLIDS:						
DILUTION FACTOR:	DL = 12.59	DL = 12.75	DL = 0.2886	DL = 12.94	DL = 0.2415	DL = 0.1746
X MOISTURE/X SOLID/ OR DESCRIPTION:	17	65	16.0	19	56	64
UNITS:	UG/KG	UG/KG	UG/MG	UG/KG	UG/KG	UG/KG
DATE SAMPLED:	11/05/87	12/21/87	11/10/87	11/11/87	11/03/87	11/05/87

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AR302709

DRAKE CHEMICAL SITE - PHASE III RI SOILS (FIXED BASE)

SAMPLE NUMBER:	DCTFB27-0506	DCTFB27-0506R	DCTFB28-0506	DCTFB3-0708	DCTFB30-0708	DCTFB31-0885	DCTFB32-5506
TRAFFIC REPORT NUMBER:	CQ392	CQ396	CQ399	CQ399	CQ388	CQ388	CQ391
FRACTION OF SOLIDS:							
DILUTION FACTOR:							
X MOISTURE/X SOLID/ OR DESCRIPTION:	DL = 12.59	DL = 12.75	DL = 0.2986	DL = 12.94	DL = 12.18	DL = 0.2415	DL = 0.1746
UNITS:	17 UG/KG	65 UG/KG	65 UG/KG	16.0 UG/KG	19 UG/KG	56 UG/KG	64 UG/KG
DATE SAMPLED:	11/05/87	12/21/87	11/10/87	11/18/87	11/11/87	11/03/87	11/05/87
*** ACIDS ***							
PP	CAS NO	COMPOUND					
65A	108-95-2	PHENOL	ND	ND	ND	ND	350J
	95-48-7	2-METHYLPHENOL	ND	ND	ND	ND	UL
	106-44-5	4-METHYLPHENOL	ND	ND	ND	ND	UL
34A	105-67-9	2,4-DIMETHYLPHENOL	ND	ND	ND	ND	UL
24A	95-57-8	2-CHLOROPHENOL	ND	ND	ND	ND	UL
31A	120-33-2	2,4-DICHLOROPHENOL	ND	ND	ND	ND	UL
	95-95-4	2,4,5-TRICHLOROPHENOL	ND	ND	ND	ND	UL
21A	88-06-2	2,4,6-TRICHLOROPHENOL	ND	ND	ND	ND	UL
64A	87-86-5	PYRATACHLOROPHENOL	ND	ND	ND	ND	UL
22A	59-50-7	4-CHLORO-3-METHYLPHENOL	ND	ND	ND	ND	UL
57A	88-75-5	2-NITROPHENOL	ND	ND	ND	ND	UL
58A	100-02-7	4-NITROPHENOL	UJ	ND	ND	UJ	UL
59A	51-28-5	2,4-DINITROPHENOL	UJ	ND	ND	UJ	UL
60A	534-52-1	4,6-DINITRO-2-METHYLPHENOL	UJ	ND	ND	UJ	UL

DRAKE CHEMICAL SITE - PHASE III RI SOILS (FIXED BASE)

SAMPLE NUMBER: DCTFB27-0506
 TRAFFIC REPORT NUMBER: CQ392
 FRACTION OF SOLIDS:
 DILUTION FACTOR:
 % MOISTURE/X SOLID/ OR DESCRIPTION:
 UNITS:
 DATE SAMPLED:

DL = 0.1259	DL = 0.1275	DL = 0.0124	DL = 0.1294	DL = 0.1218	DL = 0.0097	DL = 0.0065
17	17	65	16.0	19	56	64
UG/KG						
11/05/87	12/21/87	11/10/87	11/18/87	11/11/87	11/03/87	11/05/87

*** PESTICIDES ***

PP	CAS NO	COMPOUND
319-84-6		ALPHA-BHC
103P 319-85-7		BETA-BHC
104P 319-86-8		DELTA-BHC
105P 58-89-9		GAMMA-BHC (LINDANE)
100P 76-44-8		HEPTACHLOR
101P 1024-57-3		HEPTACHLOR EPOXIDE
92P 50-29-3		4,4'-DDT
72-54-8		4,4'-DDD
93P 72-55-9		4,4'-DDE
98P 72-20-8		ENDRIN
53494-70		ENDRIN KETONE
99P 7421-93-4		ENDRIN ALDENE
95P 959-98-8		ENDOSULFAN I
33213-65		ENDOSULFAN II
97P 1031-07-8		ENDOSUPAN SULFATE
309-00-2		ALDRIN
90P 60-57-1		DIELDRIN
91P 57-74-9		CHLORDANE
72-43-5		METHOXYCHLOR
113P 8001-35-2		TOXAPHENE

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DRAKE CHEMICAL SITE - PHASE III RI SOILS (FIXED BASE)

SAMPLE NUMBER:	DCTFB27-0506	DCTFB27-0506R	DCTFB28-0506	DCTFB3-0708	DCTFB30-0708	DCTFB31-0865	DCTFB32-5506
TRAFFIC REPORT NUMBER:	MCQ392	MCQ396	MCQ396	MCQ399	MCQ398	MCQ391	MCQ391
FRACTION OF SOLIDS:							NV
X MOISTURE/% SOLID/ OR DESCRIPTION:	16	40	/84.8	18	58	62	
UNITS:	MG/AG	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG	
DATE SAMPLED:	11/05/87	12/21/87	11/10/87	11/18/87	11/11/87	11/03/87	11/05/87

*** INORGANICS ***

PP	CAS NO	COMPOUND					
1		ALUMINUM	ND	3600	6470	5490	556
2	R N	ANTIMONY	ND	R N	J N	N	N
3	L 19N	ARSENIC	ND	L 483N	4.5	L 13N	ND
4	J 57	BARIUM	ND	J [40]	1321	J 68	ND
5	(0.7)	BERYLLIUM	ND	[0.70]	[0.70]	ND	ND
6	ND	CADIUM	ND	8.3	ND	2.5	ND
7	J [486]	CALCIUM	ND	J 221000	[828]	J [878]	197700
8	15	CHROMIUM	ND	244	12	51	24
9	15	COBALT	ND	ND	[3.5]	ND	194
10	J 28	COPPER	ND	J 797	B 8.6	J 9.8	ND
11	30500	IRON	ND	6630	19100	29000	1780
12	L 19N*	LEAD	ND	L 290N*	J 22N*	L 37N*	3.3
13	J 1820	MAGNESIUM	ND	J 3180	[570]	J 1778]	46200E*
14	J 1100	MANGANESE	ND	J 126	95	J 86	1170
15	ND	MERCURY	ND	18	ND	ND	N
16	19	NICKEL	ND	28	[3.7]	[16.0]	[1.13]
17	1880	POTASSIUM	ND	[252]	[590]	1470	ND
18	UL N	SELENIUM	ND	UL N	ND	UL N	N
19	UL N	SILVER	ND	UL N	ND	UL N	ND
20	ND	SODIUM	ND	ND	B [71]	[1200]	[164]
23	23	VANADIUM	ND	23	16	13	[462]
24	J 159	ZINC	ND	J 1530	27	J 35	24

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AR302712

DODGEWAKE CHEMICAL SITE - PHASE III RI SOILS (FIXED BASE)

SAMPLE NUMBER: **TRAFFIC REPORT NUMBER:**
FRACTION OF SOLIDS: **DILUTION FACTOR:**
*** MOISTURE/% SOLID/ OR DESCRIPTION:**
UNITS: **DATE SAMPLED:**

DCTFB32-5506RE	DCTFB33-1213	DCTFB34-0002	DCTFB34-0809	DCTFB34-1213	DCTFB37-1213	DCTFB38-0002
CQ397				CW271	CK602	CQ395
DL = 0.256				DL = 1	DL = 0.256	DL = 0.505
20				18	22	53
UG/KG				UG/KG	UG/KG	UG/KG
11/11/87	11/23/87	11/23/87	11/23/87	11/23/87	11/12/87	11/06/87

VOLATILES ***

PP CAS NO COMPOUND

67-64-1	ACETONE
78-93-3	2-BUTANONE
59-17-6	2-HEXANONE
108-10-1	4-METHYL-2-PENTANONE
71-43-2	BENZENS
66V	TOLUENE
108-88-3	ETHYLBNZENE
100-41-4	TOTAL XYLENES
95-47-6	STYRENS
100-42-5	V
108-90-7	CHLOROBENZENE
5V	1,1,2-TETRACHLOROETHANE
79-34-6	1,1,1-TRICHLOROETHANE
1V	1,1,2-TRICHLOROETHANE
4V	1,1-DICHLOROETHANE
0V	1,2-DICHLOROETHANE
107-06-2	CHLOROETHANE
75-00-3	TETRACHLOROETHENE
127-18-4	TRICHLOROETHENE
79-01-6	TRANS-1,2-DICHLOROETHENE
156-60-5	1,1-DICHLOROETHENE
75-35-4	VINYL CHLORIDE
75-01-4	CARBON TETRACHLORIDE
56-23-5	CHLOROBORM
67-66-3	METHYLEN CHLORIDE
75-09-2	CHLOROMETHANE
74-87-3	1,2-DICHLOROPROPANE
78-87-5	TRANS-1,3-DICHLOROPROPENE
10061-02-6	CIS-1,3-DICHLOROPROPENE
10061-01-5	BROMFORM
75-25-2	BROMOMETHANE
74-83-9	BROMODICHLOROMETHANE
74-83-9	CHLORODIBROMOMETHANE
124-48-1	1,1,2,2-TETRABROMOETHANE

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DRAKE CHEMICAL SITE - PHASE III RI SOILS (FIXED BASE)

SAMPLE NUMBER:	DCTFB32-6506RRE	DCTFB33-1213	DCTFB34-0002	DCTFB34-0809	DCTFB34-1213	DCTFB37-1213
TRAFFIC REPORT NUMBER:	CQ397			CW271	CK602	CQ395
FRACTION OF SOLIDS:						
DIILUTION FACTOR:		DL = 0.256		DL = 1	DL = 0.256	DL = 0.505
X MOISTURE/% SOLID/ OR DESCRIPTION:		20		16	22	53
UNITS:	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG
DATE SAMPLED:	11/06/87	11/11/87	11/23/87	11/23/87	11/23/87	11/06/87

75-15-0	CARBON DISULFIDE	ND	ND	UL	ND	ND
19V	110-75-8	2-CHLOROETHYL VINYL ETHER	ND	ND	ND	ND
108-05-4	VINYL ACETATE	ND	ND	UJ	UJ	ND

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AR302715

DRAKE CHEMICAL SITE - PHASE III RI SOILS (FIXED BASE)

SAMPLE NUMBER: DCTFB32-6605RE DCTFB33-1213 DCTFB34-0002 DCTFB34-0809 DCTFB34-1213
 TRAFFIC REPORT NUMBER: CQ397 CR602 DCTFB37-1213
 FRACTION OF SOLIDS: DL = 11.39 DL = 11.99 DL = 12.26 DL = 6.636
 DILUTION FACTOR: 20 18 22 63
 X MOISTURE/X SOLID/ OR DESCRIPTION: UG/KG UG/KG UG/KG UG/KG
 UNITS: 11/05/87 11/11/87 11/23/87 11/23/87 11/12/87 11/06/87
 DATE SAMPLED:

*** BASE/NEUTRALS ***

PP	CAS NO	COMPOUND
66B	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE
66B	84-74-2	DI-N-BUTYL PHTHALATE
67B	85-68-7	BUTYL BENZYL PHTHALATE
77B	208-95-8	ACENAPHTHYLENE
78B	120-12-7	ANTHRACENE
72B	56-55-3	BENZO(A)ANTHRACENE
74B	205-99-2	BENZO(B)FLUORANTHENE
	207-08-9	BENZO(K)FLUORANTHENE
79B	191-24-2	BENZO(G, H, I)PERYLENE
73B	60-32-8	BENZO(A)PYRENE
76B	218-01-9	CRYSTENE
82B	53-70-3	DIBENZO(A, H)ANTHRACENE
39B	206-44-0	FLUORANTHENE
80B	86-73-7	FLUORENE
63B	193-39-5	INDENO(1,2,3-CD)PYREN
56B	91-20-3	NAPHTHALENE
	91-67-6	2-METHYLNAPHTHALENE
81B	85-01-8	PHENANTHRENE
84B	129-00-0	PYRENE
	95-50-1	1,2-DICHLOROBENZEN
26B	541-73-1	1,3-DICHLOROBENZEN
27B	106-46-7	1,4-DICHLOROBENZEN
8B	120-82-1	1,2,4-TRICHLOROBENZEN
56B	98-95-3	NITROBENZENE
	99-09-2	3-NITROANILINE
	100-01-6	4-NITROANILINE
	106-47-8	4-CHLOROANILINE
53B	77-47-4	HEXACHLOROCYCLOPENTADIENE
28B	91-94-1	3,3'-DICHLOROBENZIDINE
	65-86-0	BENZOIC ACID
	100-51-6	BENZYL ALCOHOL
	132-64-9	DIBENZOFURAN

I-122

AR302716

DRAKE CHEMICAL SITE - PHASE III RI SOILS (FIXED BASE)

SAMPLE NUMBER:	DCTFB32-550686	DCTFB33-1213	DCTFB34-0002	DCTFB34-0809	DCTFB34-1213	DCTFB37-1213
TRAPIC REPORT NUMBER:	CQ397	CQ397	CK271	CK602	CK602	CQ395
FRACTION OF SOLIDS:						
DILUTION FACTOR:	DL = 11.39			DL = 11.99	DL = 12.26	DL = 6.636
X MOISTURE/% SOLID/ OR DESCRIPTION:	20			18	22	53
UNITS:	UG/KG	UG/RG	UG/KG	UG/KG	UG/KG	UG/KG
DATE SAMPLED:	11/05/87	11/11/87	11/23/87	11/23/87	11/12/87	11/06/87

H-123

AR302717

DRAKE CHEMICAL SITE - PHASE III RI SOILS (FIXED BASE)

SAMPLE NUMBER:	DCTFB32-5506RE	DCTFB33-1213	DCTFB34-0002	DCTFB34-0809	DCTFB34-1213	DCTFB37-1213
TRAFFIC REPORT NUMBER:	CQ397	CW271	CK602	CW271	CK602	CQ395
FRACTION OF SOLIDS:						
DILUTION FACTOR:						
% MOISTURE/% SOLID/ OR DESCRIPTION:						
UNITS:	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG
DATE SAMPLED:	11/05/87	11/11/87	11/23/87	11/23/87	11/12/87	11/06/87

*** ACIDS ***

PP	CAS NO	COMPOUND
65A	108-95-2	PHENOL
	95-48-7	2-METHYLPHENOL
	106-44-5	4-METHYLPHENOL
34A	105-67-9	2,4-DIMETHYLPHENOL
24A	95-57-8	2-CHLOROPHENOL
31A	120-33-2	2,4-DICHLOROPHENOL
21A	95-95-4	2,4,5-TRICHLOROPHENOL
	88-06-2	2,4,6-TRICHLOROPHENOL
64A	87-86-5	PENTACHLOROPHENOL
22A	59-50-7	4-CHLORO-3-METHYLPHENOL
57A	88-75-5	2-NITROPHENOL
59A	100-02-7	4-NITROPHENOL
59A	51-28-5	2,4-DINITROPHENOL
60A	534-52-1	4,6-DINITRO-2-METHYLPHENOL

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AR302718

DRAKE CHEMICAL SITE - PHASE III RI SOILS (FIXED BASE)

SAMPLE NUMBER:	DCTFB32-5506RE	DCTFB33-1213	DCTFB34-0002	DCTFB34-0809	DCTFB34-1213	DCTFB37-1213
TRAFFIC REPORT NUMBER:	CQ397	CQ397	CQ271	CQ271	CR602	CR602
FRACTION OF SOLIDS:						
DIUCTION FACTOR:		DL = 0.1139			DL = 0.1199	DL = 0.1226
% MOISTURE/% SOLID/ OR DESCRIPTION:		20 UG/KG		18 UG/KG	22 UG/KG	53 UG/KG
UNITS:	11/05/87	11/11/87	11/23/87	11/23/87	11/12/87	11/06/87
DATE SAMPLED:						
*** PESTICIDES ***						
PP	CAS NO	COMPOUND				
319-84-6		ALPHA-BHC	ND	ND	ND	ND
103P 319-85-7		BETA-BHC	ND	ND	ND	ND
104P 319-86-8		DELTA-BHC	ND	ND	ND	ND
105P 58-59-9		GAMMA-BHC (1,1INDANE)	ND	ND	ND	ND
100P 76-14-8		HEPTACHLOR	ND	ND	ND	ND
101P 1024-57-3		HEPTACHLOR EPOXIDE	ND	ND	ND	ND
92P 50-29-3		4,4'-DDT	ND	ND	ND	ND
72-54-8		4,4'-DDD	ND	ND	ND	ND
93P 72-55-9		4,4'-DDE	ND	ND	ND	ND
98P 72-20-8		ENDRIN	ND	ND	ND	ND
53494-70		ENDRIN KETONE	ND	ND	ND	ND
99P 7421-93-4		ENDRIN ALDEHYDE	ND	ND	ND	ND
95P 959-98-8		ENDOSULFAN 1	ND	ND	ND	ND
33213-66		ENDOSULFAN 11	ND	ND	ND	ND
97P 1031-07-8		ENDOSULFAN SULFATE	ND	ND	ND	ND
309-00-2		ALDRIN	ND	ND	ND	ND
90P 60-37-1		DIELDRIN	ND	ND	ND	ND
91P 57-14-9		CHLORDANE	ND	ND	ND	ND
72-13-5		METHOXYCHLOR	ND	ND	ND	ND
113P 6001-35-2		TOXAPHENE	ND	ND	ND	ND

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AR302719

DRAKE CHEMICAL SITE - PHASE 111 RI SOILS (FIXED BASE)

SAMPLE NUMBER:	DCTFB32-5506RE	DCTFB33-1213	DCTFB34-0002	DCTFB34-0809	DCTFB37-1213	DCTFB38-0002
TRAPPIG REPORT NUMBER:	MCQ397	MCQ397	MCQ271	MCQ271	MCL102	MCQ395
FRACTION OF SOLIDS:						
DILUTION FACTOR:						
% MOISTURE/% SOLID/ OR DESCRIPTION:	B-NX1 64.1	PEX5/B-NX1 24	PEX40/B-NX1 /80.3	PEX5/B-NX20 23	B-NX1 47	
UNITS:						
DATE SAMPLIED:	11/05/87	11/11/87	11/23/87	11/23/87	11/12/76	11/06/87
<hr/>						
*** GEOCHEMICAL PARAMETERS ***						
PP	CAS NO	COMPOUND				
			L 0.9N	ND	J N	L 3.4N
CYANIDE	ND	ND	ND	NA	2.00	J 120
TOTAL ORGANIC CARBON	ND	ND	ND	ND	ND	ND
CATION EXCHANGE CAPACITY	ND	ND	ND	ND	ND	ND
OIL & GREASE	ND	NA	NA	NA	ND	NA
PERAC	ND	J 220	NA	NA	J 1500	J 120
B-NAPHTHYLAMINE	ND	J 7800	NA	NA	ND	NA
TOTAL SOLIDS	ND	ND	NA	NA	J 50000	ND
SIEVE SIZE 1 1/2"	ND	ND	100	100	ND	ND
SIEVE SIZE 1"	ND	ND	94.9	100	ND	ND
SIEVE SIZE 3/4"	ND	ND	69.3	96.2	ND	ND
SIEVE SIZE 1/2"	ND	ND	78.7	95.0	ND	ND
SIEVE SIZE 3/8"	ND	ND	75.1	93.8	ND	ND
SIEVE SIZE NO. 4	ND	ND	65.8	91.5	ND	ND
SIEVE SIZE NO. 10	ND	ND	58.9	90.0	97.6	ND
SIEVE SIZE NO. 40	ND	ND	49.9	87.3	96.4	ND
SIEVE SIZE NO. 60	ND	ND	44.9	85.0	84.5	ND
SIEVE SIZE NO. 200	ND	ND	33.0	67.9	32.4	ND
PARTICLE SIZE (MM) 0.024	ND	ND	20.5	40.1	12.9	ND
PARTICLE SIZE (MM) 0.007	ND	ND	13.3	25.7	9.0	ND
PARTICLE SIZE (MM) 0.001	ND	ND	6.5	11.7	5.1	ND
LIQUID LIMIT	ND	ND	NP	25	NP	ND
PLASTIC LIMIT	ND	ND	NP	20	NP	ND
PLASTIC INDEX	ND	ND	NP	5	NP	ND
MOISTURE CONTENT	ND	ND	30.6	21.9	23.8	ND
SPECIFIC GRAVITY (FINE GRAIN)ND	ND	ND	2.54	2.74	2.48	ND

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AR302721

DRAKE CHEMICAL SITE - PHASE III RI SOILS (FIXED BASE)

SAMPLE NUMBER:
TRAFFIC REPORT NUMBER:
FRACTION OF SOLIDS:
DILUTION FACTOR:
X MOISTURE/X SOLID/ OR DESCRIPTION:
UNITS:
DATE SAMPLED:

DCTFB39-0002

DCTFB39-0607

DCTFB40-0002

DCTFB40-0809

DCTFB40-1011

CM255

CM273

DCTFB40-1213

CM272

DL = 1
16
UG/KG
11/23/87

DL = 1
20.0
UG/KG
11/18/87

DL = 1.0
17.46
UG/KG
11/23/87

*** VOLATILES ***

PP	CAS NO	COMPOUND	DCTFB39-0002	DCTFB39-0607	DCTFB39-1213	DCTFB40-0002	DCTFB40-0809	DCTFB40-1011	DCTFB40-1213
67-64-1		ACETONE	ND						
78-93-3		2-BUTANONE	ND	ND	UL	R	ND	ND	UJ
591-78-6		2-HEXANONE	ND	ND	UL	UJ	ND	ND	ND
108-10-1		4-METHYL-2-PENTANONE	ND	ND	UL	UJ	ND	ND	ND
4V	71-43-2	BENZENE	ND	ND	UL	ND	ND	ND	ND
86V	108-88-3	TOLUENE	ND	ND	UL	79	ND	ND	ND
38V	100-41-4	ETHYLBENZENE	ND	ND	UL	ND	ND	ND	ND
	95-47-6	TOTAL KYLENES	ND	ND	UL	ND	ND	ND	ND
	100-42-6	STYRENE	ND	ND	UL	ND	ND	ND	ND
7V	108-90-7	CHLOROBENZENE	ND	ND	UL	8	ND	ND	ND
15V	79-34-5	1,1,2-TETRACHLOROETHANE	ND	ND	UL	ND	ND	ND	ND
11V	71-55-6	1,1,1-TRICHLOROETHANE	ND	ND	UL	ND	ND	ND	ND
14V	79-00-5	1,1,2-TRICHLOROETHANE	ND	ND	UL	ND	ND	ND	ND
10V	75-34-3	1,1-DICHLOROETHANE	ND	ND	UL	ND	ND	ND	ND
10V	107-06-2	1,2-DICHLOROETHANE	ND	ND	UL	14	ND	ND	ND
16V	75-00-3	CHLOROETHANE	ND	ND	UL	UJ	ND	ND	ND
85V	127-18-4	TETRACHLOROETHENE	ND	ND	UL	ND	ND	ND	ND
87V	79-01-6	TRICHLOROETHENE	ND	ND	UL	ND	ND	ND	ND
30V	156-60-5	TRANS-1,2-DICHLOROETHENE	ND	ND	UL	ND	ND	ND	ND
29V	75-35-4	1,1-DICHLOROETHENE	ND	ND	UL	ND	ND	ND	ND
68V	75-01-4	VINYL CHLORIDE	ND	ND	UL	ND	ND	ND	ND
6V	56-23-5	CARBON TETRACHLORIDE	ND	ND	UL	ND	ND	ND	ND
23V	67-66-3	CHLOROPROM	ND	ND	UL	ND	ND	ND	ND
44V	75-09-2	METHYLENE CHLORIDE	ND	ND	UL	B 12B	ND	ND	ND
45V	74-87-3	CHLOROMETHANE	ND	ND	UL	ND	ND	ND	ND
32V	78-87-5	1,2-DICHLOROPROPANE	ND	ND	UL	ND	ND	ND	ND
33WT	10061-02-6	TRANS-1,3-DICHLOROPROPENE	ND	ND	UL	UJ	ND	ND	ND
33VC	10061-01-5	CLB-1,3-DICHLOROPROPENE	ND	ND	UL	ND	ND	ND	ND
47V	75-25-2	BROMOFORM	ND	ND	UL	ND	ND	ND	ND
46V	74-83-9	BROMOMETHANE	ND	ND	UL	UJ	ND	ND	ND
48V	75-27-4	BROMODICHLOROMETHANE	ND	ND	UL	UJ	ND	ND	ND
51V	124-48-1	CHLORODIBROMOMETHANE	ND	ND	UL	ND	ND	ND	ND

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AR302722

DRAKE CHEMICAL SITE - PHASE III RI SOILS (FIXED BASE)

SAMPLE NUMBER:	DCTFB39-0002	DCTFB39-0607	DCTFB39-1213	DCTFB4-1011	DCTFB40-0002	DCTFB40-0809	DCTFB40-1213
TRAFFIC REPORT NUMBER:			CM273	CM255			CM272
FRACTION OF SOLIDS:							
DILUTION FACTOR:	DL = 1	DL = 1	DL = 1	DL = 1	DL = 1	DL = 1	DL = 1.0
X MOISTURE/% SOLID/ OR DESCRIPTION:	18 UG/KG	18 UG/KG	20.0 UG/KG	20.0 UG/KG	20.0 UG/KG	20.0 UG/KG	17.46 UG/KG
UNITS:							
DATE SAMPLED:	11/23/87	11/23/87	11/23/87	11/18/87	11/23/87	11/23/87	11/23/87
19V	75-15-0	CARBON DISULFIDE	ND	ND	ND	ND	ND
	110-75-8	2-CHLOROETHYL VINYL ETHER	ND	ND	ND	ND	ND
	108-05-4	VINYL ACETATE	ND	ND	ND	ND	ND

AR302723

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DRAKE CHEMICAL SITE - PHASE III RI SOILS (FIXED BASE)

SAMPLE NUMBER:	DCTFB39-0062	DCTFB39-0607	DCTFB39-1213	DCTFB40-0002	DCTFB40-0809	DCTFB40-1213 CM272	
TRAFFIC REPORT NUMBER:			CW255				
FRACTION OF SOLIDS:							
DIUTION FACTOR:							
X MOISTURE/% SOLID/ OR DESCRIPTION:							
UNITS:							
DATE SAMPLED:	11/23/87	11/23/87	11/23/87	11/23/87	11/23/87	11/23/87	
PP	CAS NO	COMPOUND					
66B	117-81-7	BIS(2-ETHYLHEXYL)PHthalate	ND	ND	ND	ND	
68B	84-74-2	DI-N-BUTYL PHthalate	ND	ND	ND	ND	
67B	85-68-7	BUTYL BENZYL PHthalate	ND	ND	ND	ND	
77B	200-96-8	ACENAPHTHYLENE	ND	ND	ND	ND	
78B	120-12-7	ANTHRACENE	ND	ND	ND	ND	
72B	56-55-3	BENZO(A)ANTHRACENE	ND	ND	ND	ND	
74B	205-99-2	BENZO(B)FLUORANTHENE	ND	ND	ND	ND	
	207-08-9	BENZO(K)FLUORANTHENE	ND	ND	ND	ND	
79B	191-24-2	BENZO(G,H,I)PERYLENE	ND	ND	ND	ND	
73B	50-32-8	BENZO(A)PYRENE	ND	ND	ND	ND	
76B	210-01-9	CHRYSENE	ND	ND	ND	ND	
82B	53-70-3	DIBENZO(A,H)ANTHRACENE	ND	ND	ND	ND	
39B	206-44-0	FLUORANTHENE	ND	ND	ND	ND	
60B	86-73-7	FLUORENE	ND	ND	ND	ND	
83B	193-39-5	INDENO(1,2,3-CD)PYRENE	ND	ND	ND	ND	
55B	91-20-3	NAPHTHALENE	ND	ND	ND	ND	
	91-57-6	2-METHYLNAPHTHALENE	ND	ND	ND	ND	
81B	85-01-8	PHENANTHRENE	ND	ND	ND	ND	
84B	129-00-0	PYRENE	ND	ND	ND	ND	
	95-50-1	1,2-DICHLOROBENZENE	ND	ND	ND	ND	
26B	541-73-1	1,3-DICHLOROBENZENE	ND	ND	ND	ND	
27B	106-46-7	1,4-DICHLOROBENZENE	ND	ND	ND	ND	
	88	120-82-1	1,2,4-TRICHLOROBENZENE	ND	ND	ND	ND
56B	98-95-3	NITROBENZENE	ND	ND	ND	ND	
	99-09-2	3-NITROANILINE	ND	ND	R	ND	
100-01-6		4-NITROANILINE	ND	ND	ND	ND	
106-07-8		4-CHLOROANILINE	ND	ND	UJ	ND	
53B	77-47-4	HEXACHLOROCYCLOPENTADIENE	ND	ND	ND	ND	
28B	91-94-1	3,3'-DICHLOROBENZIDINE	ND	ND	ND	ND	
	65-85-0	BENZOIC ACID	ND	ND	ND	ND	
	100-51-6	BENZYL ALCOHOL	ND	ND	ND	ND	
	132-64-9	DIBENZOFURAN	ND	ND	ND	ND	

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AR302724

DRAKE CHEMICAL SITE - PHASE III RI SOILS (FIXED BASE)

SAMPLE NUMBER:	DCTFB39-0002	DCTFB39-0607	DCTFB39-1213 CM273	DCTFB4-1011 CM255	DCTFB40-0002	DCTFB40-0809	DCTFB40-1213 CM272
TRAFFIC REPORT NUMBER:							
FRACTION OF SOLIDS:							
DILUTION FACTOR:			DL = 12.50 18	DL = 12.32 20.0			DL = 12.34 17.46
X MOISTURE/% SOLID/ OR DESCRIPTION:			UG/KG 10.0/KG	UG/KG 11/18/87			UG/KG 11/23/87
UNITS:	11/23/87	11/23/87	11/23/87	11/18/87	11/23/87	11/23/87	11/23/87
DATE SAMPLED:							

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AR302725

DRAKE CHEMICAL SITE - PHASE III RI SOILS (FIXED BASE)

SAMPLE NUMBER: TRAFFIC REPORT NUMBER:
FRACTION OF SOLIDS:
DILUTION FACTOR:
X MOISTURE/Z SOLID/ OR DESCRIPTION:
UNITS:
DATE SAMPLED:

DCTF DCTF

TRAFFIC REPORT NUMBER:

MAGILOV 409

ONE MILLION FACES:

DI LUDVÍK FALCIK.

POLY(URIDYLIC ACID)

UNITS:

DATE SAMPLED:

BB CASE NO. COMBINED

	PHENOL	108-95-2
	2-METHYLPHENOL	95-48-7
	4-METHYLPHENOL	106-44-6
	2,4-DIMETHYLPHENOL	105-67-9
	2-CHLOROPHENOL	95-57-8
	2,4-DICHLOROPHENOL	120-33-2
	2,4,5-TRICHLOROPHENOL	95-95-4
	2,4,6-TRICHLOROPHENOL	88-06-2
	PENTACHLOROPHENOL	87-86-5
	4-CHLORO-3-METHYLPHENOL	59-50-7
	2-NITROPHENOL	88-75-5
	4-NITROPHENOL	100-02-7
	2,4-DINITROPHENOL	51-28-5
	4,6-DINITRO-2-METHYLPHENOL	534-52-1
65A	PHENOL	108-95-2
34A	2-METHYLPHENOL	95-48-7
31A	4-METHYLPHENOL	106-44-6
21A	2,4-DIMETHYLPHENOL	105-67-9
64A	2-CHLOROPHENOL	95-57-8
22A	2,4-DICHLOROPHENOL	120-33-2
57A	2,4,5-TRICHLOROPHENOL	95-95-4
58A	2,4,6-TRICHLOROPHENOL	88-06-2
	PENTACHLOROPHENOL	87-86-5
	4-CHLORO-3-METHYLPHENOL	59-50-7
	2-NITROPHENOL	88-75-5
	4-NITROPHENOL	100-02-7
	2,4-DINITROPHENOL	51-28-5
	4,6-DINITRO-2-METHYLPHENOL	534-52-1

ND ND

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AR302726

DRAKE CHEMICAL SITE - PHASE III RI SOILS (FIXED BASE)

SAMPLE NUMBER:	TRAFFIC REPORT NUMBER:				
FRACTION OF SOLIDS:					
DILUTION FACTOR:					
X MOISTURE/X SOLID OR DESCRIPTION:					
UNITS:					
DATE SAMPLED:					
*** PESTICIDES ***					
PP	CAS NO	COMPOUND			
319-84-6		ALPHA-BHC			
103P 319-85-7		BETA-BHC			
104P 319-86-8		DELTA-BHC			
105P 58-89-9		GAMMA-BHC (LINDANE)			
100P 76-44-8		HEPTACHLOR			
101P 1024-57-3		HEPTACHLOR EPOXIDE			
92P 50-29-3		4,4'-DDT			
72-54-8		4,4'-DDD			
93P 72-56-9		4,4'-DDE			
98P 72-20-8		ENDRIN			
53494-70		ENDRIN KETONE			
99P 7421-93-4		ENDRIN ALDERYDE			
95P 959-98-8		ENDOSULFAN 1			
33213-65		ENDOSULFAN 11			
97P 1031-07-8		ENDOSULFAN SULFATE			
309-00-2		ALDRIN			
90P 60-57-1		DIELDRIN			
91P 57-74-9		CHLORDANE			
72-43-5		METHOXYCHLOR			
113P 8001-35-2		TOXAPHENE			
DCTFB39-0002	DCTFB39-0607	DCTFB39-1213 CM273	DCTFB40-0002	DCTFB40-0809	DCTFB40-1213 CM272
11/23/87	11/23/87	DL = 0.1250 18 UG/KG	DL = 0.1232 20.0 UG/KG	DL = 0.1234 17.46 UG/KG	DL = 0.1234 11/23/87

PESTICIDES *

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AR302727

DRAKE CHEMICAL SITE - PHASE III RI SOILS (FIXED BASE)

SAMPLE NUMBER:	DCTFB39-0002	DCTFB39-0607	DCTFB39-1213	DCTFB4-1011	DCTFB40-0002	DCTFB40-0809	DCTFB40-1213
TRAFFIC REPORT NUMBER:	MCM273	MCM005					
FRACTION OF SOLIDS:	ND	ND	ND	ND	ND	ND	ND
DILUTION FACTOR:	NA	NA	NA	NA	NA	NA	NA
X MOISTURE/% SOLID/ OR DESCRIPTION:	PEX5/B-NX1 /81.6	PEX5/B-NX1 /82.5	PEX5/B-NX1 /82.5	J 270			PEX1/B-NX1
UNITS:	11/23/87	11/23/87	11/18/87	11/23/87	11/23/87	11/23/87	11/23/87
DATE SAMPLED:							

*** GEOCHEMICAL PARAMETERS ***

PP	CAS NO	COMPOUND	ND	J N	ND	ND	ND
		CYANIDE	ND	ND	ND	ND	ND
		TOTAL ORGANIC CARBON	NA	4100	NA	NA	NA
		CATION EXCHANGE CAPACITY	ND	ND	ND	ND	ND
		OIL & GREASE	NA	ND	ND	ND	ND
		FEAC	NA	NA	NA	NA	NA
		B-NAPHTHYLAMINE	NA	ND	NA	NA	NA
		TOTAL SOLIDS	NA	81.3	NA	NA	NA
		SIEVE SIZE 1 1/2"	ND	100	ND	ND	ND
		SIEVE SIZE 1"	100	96.0	97.9	ND	ND
		SIEVE SIZE 3/4"	99.0	96.0	97.9	ND	ND
		SIEVE SIZE 1/2"	96.9	96.7	97.8	ND	ND
		SIEVE SIZE 3/8"	92.1	95.7	97.3	ND	ND
		SIEVE SIZE NO. 4	84.6	95.7	96.9	ND	ND
		SIEVE SIZE NO. 10	75.6	95.5	96.7	ND	ND
		SIEVE SIZE NO. 40	65.6	94.7	94.4	ND	ND
		SIEVE SIZE NO. 60	60.2	89.0	65.9	ND	ND
		SIEVE SIZE NO. 200	43.4	61.9	24.9	ND	ND
		PARTICLE SIZE (MM) 0.024	23.4	41.1	12.6	ND	ND
		PARTICLE SIZE (MM) 0.007	19.1	26.0	6.9	ND	ND
		PARTICLE SIZE (MM) 0.001	11.5	15.5	5.0	ND	ND
		LIQUID LIMIT	ND	24	NP	ND	NP
		PLASTIC LIMIT	ND	19	NP	ND	NP
		PLASTIC INDEX	ND	5	NP	ND	NP
		MOISTURE CONTENT	26.0	22.8	23.4	ND	NP
		SPECIFIC GRAVITY (FINE GRAIN)2.09	2.61	2.64	2.61	1.76	2.61
							2.69

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AR302729

DRAKE CHEMICAL SITE - PHASE 111 RI SOILS (FIXED BASE)

SAMPLE NUMBER:	DCTFB44-0002	DCTFB44-0506	DCTFB44-1112	DCTFB45-0002	DCTFB45-1213	DCTFB45-9611	DCTFB46-0709
TRAFFIC REPORT NUMBER:	CM276			CM274		CM282	
FRACTION OF SOLIDS:							
DILUTION FACTOR:							
X MOISTURE/% SOLID/ OR DESCRIPTION:							
UNITS:							
DATE SAMPLED:	11/24/87	11/24/87	11/24/87	11/24/87	11/24/87	11/24/87	11/25/87

*** VOLATILES ***

PP	CAS NO	COMPOUND	DIL = 0.5	DIL = 1.0	DIL = 1.0	DIL = 1.0	DIL = 1.0
67-64-1	ACETONE	ND	ND	ND	ND	ND	ND
78-93-3	2-BUTANONE	ND	ND	ND	ND	ND	ND
591-78-6	2-HEXANONE	ND	ND	ND	ND	ND	ND
108-10-1	4-METHYL-2-PENTANONE	ND	ND	ND	ND	ND	ND
AV	BENZENE	ND	ND	ND	ND	ND	ND
86V	TOLUENE	ND	ND	ND	ND	ND	ND
38V	ETHYL BENZENE	ND	ND	ND	ND	ND	ND
95-47-6	TOTAL IYLENES	ND	L 16	ND	ND	ND	ND
100-42-5	STYRENE	ND	UL	ND	ND	ND	ND
7V	108-90-7	CHLOROBENZENE	ND	L 13	ND	ND	ND
15V	79-34-5	1,1,2,2-TETRACHLOROETHANE	ND	UL	ND	ND	ND
11V	71-55-6	1,1,1-TRICHLOROETHANE	ND	UL	ND	ND	ND
14V	79-00-5	1,1,2-TRICHLOROETHANE	ND	UL	ND	ND	ND
10V	75-34-3	1,1-DICHLOROETHANE	ND	UL	ND	ND	ND
10V	107-06-2	1,2-DICHLOROETHANE	ND	UL	ND	ND	ND
16V	75-00-3	CHLOROETHANE	ND	UL	ND	ND	ND
85V	127-18-4	TETRACHLOROETHENE	ND	UL	ND	ND	ND
87V	79-01-6	TRICHLOROETHENE	ND	UL	ND	ND	ND
30V	156-60-5	TRANS-1,2-DICHLOROETHENE	ND	UL	ND	ND	ND
29V	75-35-4	1,1-DICHLOROETHENE	ND	UL	ND	ND	ND
88V	75-01-4	VINYL CHLORIDE	ND	UL	ND	ND	ND
6V	56-23-5	CARBON TETRACHLORIDE	ND	UL	ND	ND	ND
23V	67-66-3	CHLOROFORM	ND	UL	ND	ND	ND
44V	75-09-2	METHYLENE CHLORIDE	ND	B 20B	ND	ND	ND
45V	74-07-3	CHLOROMETHANE	ND	UL	ND	ND	ND
32V	78-87-5	1,2-DICHLOROPROPANE	ND	UL	ND	ND	ND
33WT	10061-02-6	TRANS-1,3-DICHLOROPROPENE	ND	UL	ND	ND	ND
33VC	10061-01-5	CIS-1,3-DICHLOROPROPENE	ND	UL	ND	ND	ND
47V	75-25-2	BROMOFORM	ND	UL	ND	ND	ND
46V	74-83-9	BROMOMETHANE	ND	UL	ND	ND	ND
48V	75-27-4	BROMODICHLOROMETHANE	ND	UL	ND	ND	ND
51V	124-48-1	CHLORODIBROMOMETHANE	ND	UL	ND	ND	ND

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AR302730

DRAKE CHEMICAL SITE - PHASE III BI SOILS (FIXED BASE)

SAMPLE NUMBER:	DCTFB44-0002		DCTFB44-0506	DCTFB44-1112	DCTFB45-0002	DCTFB45-1213	DCTFB45-9611	DCTFB46-0709
TRAFFIC REPORT NUMBER:			CM276			CM274	CM282	
FRACTION OF SOLIDS:								
DILUTION FACTOR:	DL = 0.6						DL = 1.0	
X MOISTURE/% SOLID/ OR DESCRIPTION:	28						16.34	
UNITS:	UG/KG						16.52	UG/KG
DATE SAMPLED:	11/24/87		11/24/87	11/24/87	11/24/87	11/24/87	11/25/87	11/25/87
	75-15-0	CARBON DISULFIDE	ND	UL	ND	ND	ND	ND
19V	110-75-8	2-CHLOROBUTYL VINYL ETHER	ND	ND	ND	ND	ND	ND
108-05-4	VINYL ACETATE	ND	UL	ND	ND	ND	ND	ND

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AR302731

DRAKE CHEMICAL SITE - PHASE III RI SOILS (FIXED BASE)

SAMPLE NUMBER:		TRAFFIC REPORT NUMBER:	
FRACTION OF SOLIDS:		X MOISTURE/X SOLID/ OR DESCRIPTION:	
UNITS:		DATE SAMPLED:	
*** BASE/NEUTRALS ***			
PP	CAS NO	COMPOUND	
66B	117-81-7	BIS(2-ETHYLHEXYL)PHthalate	ND
69B	84-74-2	DI-N-BUTYL PHthalate	ND
67B	85-68-7	BUTYL BENZYL PHthalate	ND
77B	208-96-8	ACENAPHTHYLENE	ND
78B	120-12-7	ANTHRACENE	ND
72B	56-55-3	BENZO(A)ANTHRACENE	ND
74B	205-99-2	BENZO(B)FLUORANTHENE	ND
207-08-9	207-08-9	BENZO(K)FLUORANTHENE	ND
79B	191-24-2	BENZO(G, H, I)PERYLENE	ND
73B	50-32-8	BENZO(A)PYRENE	ND
76B	218-01-9	CHRYSENE	ND
82B	53-70-3	DIBENZO(A, H)ANTHRACENE	ND
39B	206-44-0	FLUORANTHENE	ND
80B	86-73-7	FLUORENE	ND
63B	193-39-6	INDENO(1, 2, 3-CD)PYRENE	ND
55B	91-20-3	NAPHTHALENE	1500
91-57-6	91-57-6	2-METHYLNAPHTHALENE	ND
81B	65-01-8	PHENANTHRENE	ND
84B	129-00-0	PYRENE	ND
95-50-1	95-50-1	1,2-DICHLOROBENZENE	ND
26B	541-73-1	1,3-DICHLOROBENZENE	ND
27B	106-46-7	1,4-DICHLOROBENZENE	ND
8B	120-82-1	1,2,4-TRICHLOROBENZENE	ND
56B	99-95-3	NITROBENZENE	ND
99-09-2	99-09-2	3-NITROANILINE	R
100-01-6	100-01-6	4-NITROANILINE	UJ
106-47-8	106-47-8	4-CHLOROANILINE	ND
53B	77-47-4	HEXAChLOROCYCLOPENTADIENE	ND
28B	91-94-1	3,3'-DICHLOROBENZIDINE	R
65-85-0	65-85-0	BENZOIC ACID	ND
100-51-6	100-51-6	BENZYL ALCOHOL	ND
132-64-9	132-64-9	DiBENZOPURAN	ND

*** BASE/NEUTRAL *

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AR302732

DRAKE CHEMICAL SITE - PHASE III RI SOILS (FIXED BASE)

SAMPLE NUMBER:	DCTPB44-0002	DCTPB44-0006	DCTPB44-11112	DCTPB45-0002	DCTPB45-1213	DCTPB45-9511
TRAFFIC REPORT NUMBER:	CM276			CM274		CM282
FRACTION OF SOLIDS:						
DILUTION FACTOR:	DL = 10.94			DL = 12.57		DL = 12.49
X MOISTURE/% SOLID/ OR DESCRIPTION:	28			15.34		18.52
UNITS:	UG/KG			UG/KG		UG/KG
DATE SAMPLED:	11/24/87	11/24/87	11/24/87	11/24/87	11/24/87	11/25/87

DRAKE CHEMICAL SITE - PHASE III RI SOILS (FIXED BASE)

*** ACIDS ***			*** SOLVENTS ***			*** OTHERS ***		
PP	CAS NO	COMPOUND	PP	CAS NO	COMPOUND	PP	CAS NO	COMPOUND
65A	108-95-2	PHENOL	ND	340J	ND	ND	ND	ND
	95-48-7	2-METHYLPHENOL	ND		ND	ND	ND	ND
	106-41-5	4-METHYLPHENOL	ND		ND	ND	ND	ND
34A	105-67-9	2,4-DIMETHYLPHENOL	ND		ND	ND	ND	ND
24A	95-57-8	2-CHLOROPHENOL	ND		ND	ND	ND	ND
31A	120-33-2	2,4-DICHLOROPHENOL	ND	1400	ND	ND	ND	ND
	95-95-4	2,4,5-TRICHLOROPHENOL	ND		ND	ND	ND	ND
21A	88-06-2	2,4,6-TRICHLOROPHENOL	ND		ND	ND	ND	ND
64A	97-86-5	PENTACHLOROPHENOL	ND		ND	ND	ND	ND
22A	59-50-7	4-CHLORO-3-METHYLPHENOL	ND		ND	ND	ND	ND
57A	88-75-5	2-NITROPHENOL	ND		ND	ND	ND	ND
58A	100-02-7	4-NITROPHENOL	ND		ND	ND	ND	ND
59A	51-28-5	2,4-DINITROPHENOL	ND		ND	ND	ND	ND
60A	534-52-1	4,6-DINITRO-2-METHYLPHENOL	ND		ND	ND	ND	ND

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CONTINUATION

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	PHENOL	
108-95-2	2-METHYLPHENOL	
95-48-7	4-METHYLPHENOL	
106-44-5	2,4-DIMETHYLPHENOL	
344A	106-67-9	2-CHLOROPHENOL
244A	95-57-8	2,4-DICHLOROPHENOL
313A	120-33-2	2,4,5-TRICHLOROPHENOL
	95-95-4	2,4,6-TRICHLOROPHENOL
212A	88-06-2	PENTACHLOROPHENOL
644A	87-86-5	
222A	59-50-7	4-CHLORO-3-METHYLPHENOL
557A	88-75-5	2-NITROPHENOL
558A	100-02-7	4-NITROPHENOL
559A	51-28-5	2,4-DINITROPHENOL
600A	534-52-1	4,6-DINITRO-2-METHYLPHENOL

ND ND

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AR302734

DRAKE CHEMICAL SITE - PHASE III RI SOILS (FIXED BASE)

SAMPLE NUMBER:	DCTFB44-0002	DCTFB44-0506	DCTFB44-1112	DCTFB45-0002	DCTFB45-1213	DCTFB45-9511
TRAFFIC REPORT NUMBER:	CM276	CM276			CM274	DCTFB46-0709
FRACTION OF SOLIDS:						CM282
DLUTION FACTOR:						
X MOISTURE/% SOLID/ OR DESCRIPTION:						
UNITS:	28	28	28	28	28	28
DATE SAMPLED:	11/24/87	11/24/87	11/24/87	11/24/87	11/24/87	11/24/87
*** PESTICIDES ***						
PP	CAS NO	COMPOUND				
319-84-6		ALPHA-BHC	ND	ND	ND	ND
103P 319-85-7		BETA-BHC	ND	ND	ND	ND
104P 319-86-8		DELTA-BHC	ND	ND	ND	ND
105P 58-89-9		GYMA-BHC (LINDANE)	ND	ND	ND	ND
100P 76-44-8		HEPTACHLOR	ND	ND	ND	ND
101P 1024-57-3		HEPTACHLOR EPOXIDE	ND	ND	ND	ND
92P 50-29-3		4,4'-DDT	ND	ND	ND	ND
72-54-8		4,4'-DDD	ND	ND	ND	ND
93P 72-55-9		4,4'-DDE	ND	ND	ND	ND
98P 72-20-8		ENDRIN	ND	ND	ND	ND
53494-70		ENDRIN KETONE	ND	ND	ND	ND
99P 7421-93-4		ENDRIN ALDEHYDE	ND	ND	ND	ND
95P 959-98-8		ENDOSULFAN 1	ND	ND	ND	ND
33213-65		ENDOSULFAN 11	ND	ND	ND	ND
97P 1031-07-8		ENDOSULFAN SULFATE	ND	ND	ND	ND
309-00-2		ALDRIN	ND	ND	ND	ND
90P 60-57-1		DIELDRIN	ND	ND	ND	ND
91P 57-74-9		CHLORDANE	ND	ND	ND	ND
72-43-5		METHOXYCHLOR	ND	ND	ND	ND
113P 8001-35-2		TOLAPHEN	ND	ND	ND	ND

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AR302735

DRAKE CHEMICAL SITE - PHASE III RI SOILS (FIXED BASE)

SAMPLE NUMBER: DCTPB44-0002 DCTPB44-0506 DCTPB44-1112 DCTPB45-0002 DCTPB45-1213 DCTFB45-9611 DCTFB46-0709

TRAFFIC REPORT NUMBER:

FRACTION OF SOLIDS:

DILUTION FACTOR:

% MOISTURE/X SOLID/ OR DESCRIPTION:

UNITS:

DATE SAMPLED:

FEI100/B-NX1

/72.3

FEI1/B-NX1

/72.3

*** GEOCHEMICAL PARAMETERS ***

PP CAS NO COMPOUND

CYANIDE	ND	J N	ND	ND	ND	ND
TOTAL ORGANIC CARBON	NA	37000	NA	NA	NA	ND
CATION EXCHANGE CAPACITY	NA	NA	NA	ND	ND	ND
OIL & GREASE	NA	0.5	NA	NA	NA	ND
FENAC	NA	J 3000	NA	NA	NA	23
B-NAPHTHYLAMINE	NA	4800	NA	NA	ND	ND
TOTAL SOLIDS	NA	70.1	NA	NA	NA	ND
SIEVE SIZE 1 1/2"	ND	100	ND	100	ND	ND
SIEVE SIZE 1"	ND	96.5	ND	96.9	ND	ND
SIEVE SIZE 3/4"	ND	96.5	ND	93.5	ND	ND
SIEVE SIZE 1/2"	98.5	96.5	ND	92.4	95.3	ND
SIEVE SIZE 3/8"	96.9	96.5	100	89.7	94.3	ND
SIEVE SIZE NO. 4	92.9	96.3	99.9	85.3	93.1	99.9
SIEVE SIZE NO. 10	86.3	95.9	99.7	79.2	91.7	99.8
SIEVE SIZE NO. 40	75.1	86.1	98.7	69.2	88.2	98.6
SIEVE SIZE NO. 60	69.2	80.4	88.7	64.2	77.4	81.8
SIEVE SIZE NO. 200	50.7	58.9	44.9	46.9	46.8	37.9
PARTICLE SIZE (MM) 0.024	28.5	33.6	20.9	28.5	28.4	23.0
PARTICLE SIZE (MM) 0.007	19.8	18.2	15.0	20.0	20.4	15.2
PARTICLE SIZE (MM) 0.001	10.4	6.7	7.0	10.5	11.2	9.2
LIQUID LIMIT	NP	NP	NP	NP	NP	ND
PLASTIC LIMIT	NP	NP	NP	NP	NP	ND
PLASTIC INDEX	NP	NP	NP	NP	NP	ND
MOISTURE CONTENT	25.2	46.0	28.2	33.3	20.2	19.1
SPECIFIC GRAVITY (FINE GRAIN)2.17	2.31	2.50	2.27	2.54	2.58	ND

T-143

AR302737

DRAKE CHEMICAL SITE - PHASE III RI SOILS (FIXED BASE)

SAMPLER NUMBER: DCTFB47-1011
TRAFFIC REPORT NUMBER: CM281
FRACTION OF SOLIDS:
DILUTION FACTOR:
X MOISTURE/% SOLID/ OR DESCRIPTION:
UNITS: ug/kg
DATE SAMPLED: 11/25/87

DCTFB48-0809 CM279	DCTFB49-0002 CM277	DCTFB49-0910 CM277	DCTFB49-1213 CM258
DL = 1.0 11.24 ug/kg	DL = 1.0 18.72 ug/kg	DL = 1.0 13.98 ug/kg	DL = 1 23.3 ug/kg
11/24/87	11/24/87	11/24/87	11/19/87
			11/24/87

*** VOLATILES ***

PP	CAS NO	COMPOUND	B 6JB	B 7JB	B 8JB
67-64-1		ACETONE	ND	ND	J 11J
78-93-3		2-BUTANONE	ND	ND	ND
591-78-6		2-HEXANONE	ND	ND	ND
109-10-1		4-METHYL-2-PENTANONE	ND	ND	ND
4V	71-43-2	BENZENE	ND	ND	ND
86V	108-88-3	TOLUENE	ND	ND	ND
38V	100-41-4	ETHYL BENZENE	ND	ND	ND
	95-47-6	TOTAL KYLENES	ND	ND	ND
	100-42-5	STYRENE	ND	ND	ND
7V	108-90-7	CHLOROBENZENE	ND	ND	ND
15V	79-34-5	1,1,2,2-TETRACHLOROETHANE	ND	ND	ND
11V	71-55-6	1,1,1-TRICHLOROETHANE	ND	ND	ND
14V	79-00-5	1,1,2-TRICHLOROETHANE	ND	ND	ND
10V	75-34-3	1,1-DICHLOROETHANE	ND	ND	ND
10V	107-06-2	1,2-DICHLOROETHANE	ND	ND	ND
16V	75-00-3	CHLOROETHANE	ND	ND	ND
85V	127-18-4	TETRACHLOROETHENE	ND	ND	ND
87V	79-01-6	TRICHLOROETHENE	ND	ND	ND
30V	156-60-5	TRANS-1,2-DICHLOROETHENE	ND	ND	ND
29V	75-35-4	1,1-DICHLOROETHENE	ND	ND	ND
88V	75-01-4	VINYL CHLORIDE	ND	ND	ND
6V	56-23-5	CARBON TETRACHLORIDE	ND	ND	ND
23V	67-66-3	CHLOROPORN	ND	ND	ND
44V	75-09-2	METHYLENE CHLORIDE	ND	ND	ND
45V	74-87-3	CHLOROMETHANE	ND	ND	ND
32V	78-87-5	1,2-DICHLOROPROPANE	ND	ND	ND
33VT	10061-02-6	TRANS-1,3-DICHLOROPROPENE	ND	ND	ND
33VC	10061-01-5	C19-1,3-DICHLOROPROPENE	ND	ND	ND
47V	75-25-2	BROMOFORM	ND	ND	ND
46V	74-83-9	BROMODICHLOROMETHANE	ND	ND	ND
48V	75-27-4	CHLORODIBROMOMETHANE	ND	ND	ND
51V	124-48-1	CHLORODIBROMOMETHANE	ND	ND	ND

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AR302738

DRAKE CHEMICAL SITE - PHASE III RI SOILS (FIXED BASE)

SAMPLE NUMBER:	76-15-0	CARBON DISULFIDE	ND	ND	ND	ND	ND
TRAFFIC REPORT NUMBER:	19w	2-CHLOROMETHYL VINYL ETHER	ND	ND	ND	ND	ND
FRACTION OF SOLIDS:	110-75-8	VINYL ACETATE	ND	ND	ND	ND	ND
DILUTION FACTOR:	108-05-4						
X MOISTURE/% SOLID/ OR DESCRIPTION:							
UNITS:							
DATE SAMPLED:							

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AR302739

DRAKE CHEMICAL SITE - PHASE III RI SOILS (FIXED BASE)

SAMPLE NUMBER:	DCTFB47-1011	DCTFB48-0809	DCTFB49-0002	DCTFB49-0910	DCTFB49-1213	DCTFB50-0708
TRAFFIC REPORT NUMBER:	CN281	CN279		CN277	CN258	DCTFB50-0002
FRACTION OF SOLIDS:						
DILUTION FACTOR:	DL = 12.41	DL = 12.25				
X MOISTURE/% SOLID/ OR DESCRIPTION:	11.24	18.72				
UNITS:	UG/KG	UG/KG				
DATE SAMPLED:	11/25/87	11/24/87	11/24/87	11/24/87	11/19/87	11/24/87

*** BASE/NEUTRALS ***

PP	CAS NO	COMPOUND	DL = 12.41	DL = 12.25	DL = 12.97	DL = 12.50
66B	117-81-7	BIS(2-ETHYLHEXYL)PHthalate	ND	ND	ND	ND
69B	84-74-2	DI-n-BUTYL PHthalate	ND	ND	ND	ND
67B	85-68-7	BUTYL BENZYL PHthalate	ND	ND	ND	ND
77B	208-96-8	ACENAPHTHYLENE	ND	ND	ND	ND
78B	120-12-7	ANTHRACENE	ND	ND	ND	ND
72B	66-56-3	BENZO(A)ANTHRACENE	ND	ND	ND	ND
74B	205-99-2	BENZO(B)FLUORANTHENE	ND	ND	ND	ND
	207-08-9	BENZO(K)FLUORANTHENE	ND	ND	ND	ND
79B	191-24-2	BENZO(G,H,I)PERYLENE	ND	ND	ND	ND
73B	50-32-8	BENZO(A)PYRENE	ND	ND	ND	ND
76B	218-01-9	CHRYSENE	ND	ND	ND	ND
82B	53-70-3	DI-BENZO(A,H)ANTHRACENE	ND	ND	ND	ND
39B	206-44-0	FLUORANTHENE	ND	ND	ND	ND
80B	86-73-7	FLUORENE	ND	ND	ND	ND
83B	193-39-5	INDENO(1,2,3-CD)PYRENE	ND	ND	ND	ND
55B	91-20-3	NAPHTHALENE	ND	ND	ND	ND
	91-57-6	2-METHYLNAPHTHALENE	ND	ND	ND	ND
81B	85-01-8	PHENANTHRENE	ND	ND	ND	ND
84B	129-90-0	PYRENE	ND	ND	ND	ND
	95-50-1	1,2-DICHLOROBENZENE	ND	ND	ND	ND
26B	541-73-1	1,3-DICHLOROBENZENE	ND	ND	ND	ND
27B	106-46-7	1,4-DICHLOROBENZENE	ND	ND	ND	ND
8B	120-82-1	1,2,4-TRICHLOROBENZENE	ND	ND	ND	ND
56B	98-35-3	NITROBENZENE	ND	ND	ND	ND
	99-09-2	3-NITROANILINE	R	ND	ND	ND
100-	01-6	4-NITROANILINE	ND	ND	ND	ND
106-	47-8	4-CHLOROANILINE	UJ	ND	ND	ND
53B	77-47-4	HEXAChLOROCYCLOPENTADIENE	ND	ND	ND	ND
28B	91-94-1	3,3'-DICHLOROBENZIDINE	R	ND	ND	ND
	65-85-0	BENZOIC ACID	ND	ND	ND	ND
100-	51-6	BENZYL ALCOHOL	ND	ND	ND	ND
132-	64-9	DIBENZOFURAN	ND	ND	ND	ND

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AR302740

DRAKE CHEMICAL SITE - PHASE III RI SOILS (FIXED BASE)

SAMPLE NUMBER:	TRAFFIC REPORT NUMBER:	FRACTION OF SOLIDS:	DILUTION FACTOR:	X MOISTURE/X SOLID/ OR DESCRIPTION:	UNITS:	DATE SAMPLED:	
DCTFB47-1011	CM281	DL = 12.41	DL = 12.24	11.24 UG/KG	11/25/87	11/24/87	DCTFB48-0809
	CM279			18.72 UG/KG			DCTFB49-0002
							DCTFB49-0910
							DCTFB49-1213
							CM277
							CM258
							DCTFB5-0708
							DCTFB5-0002

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AR302741

DRAKE CHEMICAL SITE - PHASE III RI SOILS (FIXED BASE)

SAMPLE NUMBER:	DCTFB47-1011	DCTFB48-0809	DCTFB49-0002	DCTFB49-0910	DCTFB49-1213	DCTFB5-0708	DCTFB50-0002
TRAFFIC REPORT NUMBER:	CM281	CM279			CM277	CM258	
FRACTION OF SOLIDS:							
DILUTION FACTOR:	DL = 12.41	DL = 12.25			DL = 12.97	DL = 12.50	
X MOISTURE/% SOLID/ OR DESCRIPTION:	11.24	18.72			13.98	23.3	
UNITS:	UG/KG	UG/KG			UG/KG	UG/KG	
DATE SAMPLER:	11/26/87	11/24/87	11/24/87	11/24/87	11/24/87	11/19/87	11/24/87
*** ACIDS ***							
PP	CAS NO	COMPOUND					
65A	108-95-2	PHENOL	ND	ND	ND	ND	ND
	95-48-7	2-METHYLPHENOL	ND	ND	ND	ND	ND
	106-44-6	4-METHYLPHENOL	ND	ND	ND	ND	ND
34A	105-67-9	2,4-DIMETHYLPHENOL	ND	ND	ND	ND	ND
24A	95-57-8	2-CHLOROPHENOL	ND	ND	ND	ND	ND
31A	120-33-2	2,4-DI CHLOROPHENOL	ND	ND	ND	ND	ND
	95-95-4	2,4,5-TRICHLOROPHENOL	ND	ND	ND	ND	ND
21A	88-06-2	2,4,6-TRICHLOROPHENOL	ND	ND	ND	ND	ND
64A	87-86-5	PENTACHLOROPHENOL	ND	ND	ND	ND	ND
22A	69-50-7	4-CHLORO-3-METHYLPHENOL	ND	ND	ND	ND	ND
57A	88-75-5	2-NITROPHENOL	ND	ND	ND	ND	ND
58A	100-02-7	4-NITROPHENOL	ND	ND	ND	UJ	ND
59A	51-28-5	2,4-DINITROPHENOL	ND	ND	ND	UJ	ND
60A	534-52-1	4,6-DINITRO-2-METHYLPHENOL	ND	ND	ND	UJ	ND

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DRAKE CHEMICAL SITE - PHASE III RI SOILS (FIXED BASE)

SAMPLE NUMBER:	DCTFB47-1011	DCTFB46-0869	DCTFB49-0002	DCTFB49-0910	DCTFB49-1213	DCTFB5-0708
TRAFFIC REPORT NUMBER:	CM281	CM279	CM277	CM258	CM258	DCTFB50-0002
FRACTION OF SOLIDS:						
DLUTION FACTOR:	DL = 0.1241	DL = 0.1225		DL = 0.1297	DL = 0.1250	
X MOISTURE/% SOLID/ OR DESCRIPTION:	11.24	18.72		13.98	23.3	
UNITS:	UG/KG	UG/KG		UG/KG	UG/KG	
DATE SAMPLED:	11/25/87	11/25/87	11/24/87	11/24/87	11/19/87	11/24/87
<hr/>						
*** PESTICIDES ***						
PP	CAS NO	COMPOUND				
319-84-6		ALPHA-BHC	ND	ND	ND	ND
103P 319-85-7		BETA-BHC	ND	ND	ND	ND
104P 319-86-8		DELTA-BHC	ND	ND	ND	ND
105P 58-89-9		GAMMA-BHC (LINDANE)	ND	ND	ND	ND
100P 76-44-8		HEPTACHLOR	ND	ND	ND	ND
101P 1024-57-3		HEPTACHLOR EPOXIDE	ND	ND	ND	ND
92P 50-29-3		4,4'-DDT	ND	ND	ND	ND
72-54-8		4,4'-DDD	ND	ND	ND	ND
93P 72-55-9		4,4'-DDE	ND	ND	ND	ND
98P 72-20-8		ENDRIN	ND	ND	ND	ND
53494-70		ENDRIN KETONE	ND	ND	ND	ND
99P 7421-93-4		ENDRIN ALDEHYDE	ND	ND	ND	ND
95P 959-98-8		ENDOSULFAN I	ND	ND	ND	ND
33213-65		ENDOSULFAN II	ND	ND	ND	ND
97P 1031-07-8		ENDOSUFAN SULFATE	ND	ND	ND	ND
309-00-2		ALDRIN	ND	ND	ND	ND
90P 60-57-1		DIELDRIN	ND	ND	ND	ND
91P 51-74-9		CHLORDANE	ND	ND	ND	ND
72-43-5		METHOXYCHLOR	ND	ND	ND	ND
113P 6001-35-2		TOLAPHEN	ND	ND	ND	ND

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AR302743

DRAKE CHEMICAL SITE - PHASE III RI SOILS (FIXED BASE)

SAMPLE NUMBER: DCTFB47-1011 DCTFB48-0809 DCTFB49-0002 DCTFB49-0910 DCTFB49-1213 DCTFB49-0708
 TRAFFIC REPORT NUMBER:
 FRACTION OF SOLIDS:
 DILUTION FACTOR:
 X MOISTURE/% SOLID/ OR DESCRIPTION:
 UNITS:
 DATE SAMPLED:

MG/KG MG/KG MG/KG MG/KG MG/KG
 11/25/87 11/24/87 11/24/87 11/24/87 11/19/87
 11/24/87 11/24/87 11/24/87 11/24/87 11/24/87

*** INORGANICS ***

PP	CAS NO	COMPOUND	DCTFB47-1011	DCTFB48-0809	DCTFB49-0002	DCTFB49-0910	DCTFB49-1213	DCTFB49-0708
1		ALUMINUM	ND	ND	ND	ND	ND	ND
2		ANTIMONY	ND	ND	ND	ND	ND	ND
3		ARSENIC	9	7	ND	ND	11	7.0
4		BARIUM	97	86.8	ND	ND	107	76
5		BERYLLIUM	0.6	0.5	ND	ND	0.7	1.5
6		CADMIUM	ND	ND	ND	ND	ND	ND
7		CALCIUM	ND	ND	ND	ND	ND	ND
8		CHROMIUM	16.7	7.7	ND	ND	5.3	25
9		COBALT	13.0	16.0	ND	ND	13.0	ND
10		COPPER	30.6	13.2	ND	ND	12.2	20
11		IRON	ND	ND	ND	ND	ND	34900
12		LEAD	68	10	ND	ND	42	J 12N*
13		MAGNESIUM	ND	ND	ND	ND	ND	1920
14		MANGANESE	712	768	ND	ND	772	213
15		MERCURY	0.1	0.1	ND	ND	0.1	ND
16		NICKEL	16.3	19.8	ND	ND	17.6	20
17		POTASSIUM	ND	ND	ND	ND	ND	ND
18		SELENIUM	ND	ND	ND	ND	ND	ND
19		SILVER	ND	ND	ND	ND	ND	ND
20		SODIUM	ND	ND	ND	ND	ND	B 1135
23		VANADIUM	22.0	17.1	ND	ND	17.6	28
24		ZINC	169	71.0	ND	ND	70.5	105

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DRAKE CHEMICAL SITE - PHASE III RI SOILS (FIXED BASE)

SAMPLE NUMBER:	DCTFB47-1011	DCTFB48-0809	DCTFB49-0002	DCTFB49-0910	DCTFB49-1213 MC4008	DCTFB5-0708 MC4008
TRAFFIC REPORT NUMBER:						
FRACTION OF SOLIDS:						
DILUTION FACTOR:						
X MOISTURE/% SOLID/ OR DESCRIPTION:						
UNITS:						
DATE SAMPLED:	11/25/87	11/24/87	11/24/87	11/24/87	11/19/87	11/24/87
*** GEOCHEMICAL PARAMETERS ***						
PP	CAS NO	COMPOUND				
CYANIDE			ND	ND	N	ND
TOTAL ORGANIC CARBON			ND	NA	NA	NA
CATION EXCHANGE CAPACITY			ND	NA	ND	ND
OIL & GREASE			ND	NA	ND	NA
PENAC			ND	NA	J 590	NA
B-NAPHTHYLAMINE			ND	NA	UJ	NA
TOTAL SOLIDS			ND	NA	ND	NA
SIEVE SIZE 1 1/2"			ND	ND	ND	ND
SIEVE SIZE 1"			ND	ND	ND	ND
SIEVE SIZE 3/4"			ND	ND	ND	100
SIEVE SIZE 1/2"			ND	ND	ND	92.6
SIEVE SIZE 3/8"			ND	ND	ND	ND
SIEVE SIZE NO. 4			ND	ND	ND	92.6
SIEVE SIZE NO. 10			ND	ND	ND	ND
SIEVE SIZE NO. 40			ND	99.5	ND	96.6
SIEVE SIZE NO. 60			ND	99.5	ND	84.2
SIEVE SIZE NO. 200			ND	99.4	100	79.9
PARTICLE SIZE (MM) 0.024			ND	99.1	99.9	76.0
PARTICLE SIZE (MM) 0.007			ND	99.3	99.3	69.3
PARTICLE SIZE (MM) 0.001			ND	95.5	94.9	56.6
LIQUID LIMIT			ND	66.4	41.0	28.4
PLASTIC LIMIT			ND	42.6	16.0	14.4
PLASTIC INDEX			ND	28.7	11.0	9.1
MOISTURE CONTENT			ND	16.8	5.0	5.3
SPECIFIC GRAVITY (FINE GRAIN) ND			ND	28	NP	ND
			ND	21	NP	NP
			ND	7	NP	NP
			ND	20.0	21.8	20.6
			ND	2.66	2.69	2.62
			ND			2.44

DRAKE CHEMICAL SITE - PHASE III RI SOILS (FIXED BASE)

SAMPLE NUMBER:	DCTFB50-0809	DCTFB50-0809R	DCTFB50-1213	DCTFB61-0910	DCTFB6-1213	DCTFB7-1213
TRAFFIC REPORT NUMBER:	CW275		CW251	CW280	CW251	CW257
FRACTION OF SOLIDS:						
DILUTION FACTOR:	DL = 1.0			DL = 1	DL = 1	DL = 1
X MOISTURE/X SOLID/ OR DESCRIPTION:	16.37 UG/KG			20.14 UG/KG	23.0 UG/KG	22.6 UG/KG
UNITS:	11/24/87	12/21/87	11/24/87	11/25/87	11/18/87	11/19/87
DATE SAMPLED:						

*** VOLATILES ***

PP	CAS NO	COMPOUND	B 7JB	ND	ND	B 15B	J 42	J 190	J 9J	
67-64-1	ACETONE	UJ	ND	ND	ND	UJ	R	R	R	
78-93-3	2-BUTANONE	ND	ND	ND	ND	UJ	UJ	UJ	UJ	
591-78-6	2-HEXANONE	ND	ND	ND	ND	UJ	UJ	UJ	UJ	
108-10-1	4-METHYL-2-PENTANONE	ND	ND	ND	ND	ND	ND	ND	ND	
4V	71-43-2	BENZENE	ND	ND	ND	ND	ND	ND	ND	
86V	108-68-3	TOLUENE	ND	ND	ND	ND	ND	ND	ND	
38V	100-41-4	ETHYL BENZENE	ND	ND	ND	ND	ND	ND	ND	
	95-47-6	TOTAL XYLEMES	ND	ND	ND	ND	ND	ND	ND	
	100-42-5	STYRENE	ND	ND	ND	ND	ND	ND	ND	
7V	108-90-7	CHLOROBENZENE	ND	ND	ND	ND	ND	300	5J	
15V	79-34-5	1,1,2,2-TETRACHLOROETHANE	ND	ND	ND	ND	ND	ND	ND	
11V	71-55-6	1,1,1-TRICHLOROETHANE	ND	ND	ND	ND	ND	ND	ND	
14V	79-00-5	1,1,2-TRICHLOROETHANE	ND	ND	ND	ND	ND	ND	ND	
10V	75-34-3	1,1-DICHLOROETHANE	ND	ND	ND	ND	ND	ND	ND	
10V	107-06-2	1,2-DICHLOROETHANE	ND	ND	ND	ND	ND	74	ND	
16V	75-00-3	CHLOROETHANE	ND	ND	ND	ND	ND	UJ	UJ	
85V	127-18-4	TETRACHLOROETHANE	ND	ND	ND	ND	ND	ND	ND	
87V	79-01-6	TRICHLOROETHANE	ND	ND	ND	ND	ND	ND	ND	
30V	156-60-5	TRANS-1,2-DICHLOROETHENE	ND	ND	ND	ND	ND	ND	ND	
29V	75-35-4	1,1-DICHLOROETHENE	ND	ND	ND	ND	ND	ND	ND	
88V	75-01-4	VINYL CHLORIDE	ND	ND	ND	ND	ND	ND	ND	
6V	56-23-5	CARBON TETRACHLORIDE	ND	ND	ND	ND	ND	ND	ND	
23V	67-66-3	CHLOROPRONA	ND	ND	ND	ND	ND	ND	ND	
44V	75-09-2	METHYLENE CHLORIDE	2J	ND	ND	ND	ND	B 13B	B 4RJ	
45V	74-97-3	CHLOROMETHANE	ND	ND	ND	ND	ND	ND	ND	
32V	78-87-5	1,2-DICHLOROPROPANE	ND	ND	ND	ND	ND	ND	ND	
33VT	10061-02-6	TRANS-1,3-DICHLOROPROPENE	ND	ND	ND	ND	ND	UJ	UJ	
	33VC	10061-01-5	CIS-1,3-DICHLOROPROPENE	ND	ND	ND	ND	ND	ND	ND
47V	75-25-2	BROMOFORM	ND	ND	ND	ND	ND	ND	ND	
46V	74-83-9	BROMOMETHANE	ND	ND	ND	ND	ND	UJ	UJ	
48V	75-27-4	BROMODICHLOROMETHANE	ND	ND	ND	ND	ND	ND	ND	
51V	124-48-1	CHLORODIBROMOMETHANE	ND	ND	ND	ND	ND	ND	ND	

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DRAKE CHEMICAL SITE - PHASE III RI SOILS (FIXED BASE)

SAMPLE NUMBER:	DCTFB50-0809	DCTFB50-0809R	DCTFB50-1213	DCTFB51-0910	DCTFB6-1213	DCTFB9-1112
TRAFFIC REPORT NUMBER:	CM275		CM280	CM256	CM251	CM257
FRACTION OF SOLIDS:	DL = 1.0		DL = 1.0	DL = 1	DL = 1	DL = 1
DILUTION FACTOR:	16.37		20.14	20.0	23.0	22.6
% MOISTURE/% SOLID/ OR DESCRIPTION:	UG/KG 11/24/87	UG/KG 12/21/87	UG/KG 11/24/87	UG/KG 11/25/87	UG/KG 11/18/87	UG/KG 11/19/87
UNITS:						
DATE SAMPLED:						

75-15-0	CARBON DISULFIDE	ND	ND	ND	ND	ND
19v	2-CHLOROETHYL VINYL ETHER	ND	ND	ND	ND	ND
108-05-4	VINYL ACETATE	ND	ND	ND	ND	ND

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AR302747

DRAKE CHEMICAL SITE - PHASE III RI SOILS (FIXED BASE)

SAMPLE NUMBER:	DCTFB50-0809	DCTFB50-0809R	DCTFB50-1213	DCTFB51-0910	DCTFB6-1213	DCTFB9-1112
TRAFFIC REPORT NUMBER:	CW275		CW280	CW251	CW251	CW257
FRACTION OF SOLIDS:						
DILUTION FACTOR:	DL = 12.47	DL = 12.59	DL = 11.83	DL = 11.81	DL = 11.85	DL = 11.61
X MOISTURE/% SOLID/ OR DESCRIPTION:	16.37	UG/KG	20.14	20.0	23.0	22.6
UNITS:	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG
DATE SAMPLED:	11/21/87	12/21/87	11/24/87	11/25/87	11/18/87	11/19/87

*** BASE/NEUTRALS ***

PP	CAS NO	COMPOUND
66B	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE
68B	84-74-2	DI-N-BUTYL PHTHALATE
67B	85-68-7	BUTYL BENZYL PHTHALATE
77B	208-96-8	ACENAPHTHYLENE
78B	120-12-7	ANTHRACENE
72B	56-55-3	BENZO(A)ANTHRACENE
74B	205-99-2	BENZO(B)FLUORANTHENE
		BENZO(K)FLUORANTHENE
79B	191-24-2	BENZO(H,I)PERYLENE
73B	50-32-8	BENZO(A)PYRENE
76B	218-01-9	CHRYSENE
82B	53-70-3	DIBENZO(A,H)ANTHRACENE
39B	206-44-0	FLUORANTHENE
80B	86-73-7	FLUORENE
83B	193-39-5	INDENO(1,2,3-CD)PYRENE
55B	91-20-3	NAPHTHALENE
		2-METHYLNAPHTHALENE
81B	85-91-8	PHENANTHRENE
84B	129-00-0	PYRENE
		1,2-DICHLOROBENZENE
		1,3-DICHLOROBENZENE
26B	541-73-1	1,4-DICHLOROBENZENE
27B	106-66-7	1,2,4-TRICHLOROBENZENE
8B	120-02-1	NITROBENZENE
56B	98-95-3	3-NITROANILINE
		4-NITROANILINE
		4-CHLOROANILINE
53B	77-47-4	HEXACHLOROCYCLOPENTADIENE
28B	91-99-1	3,3'-DICHLOROBENZIDINE
		BENZOIC ACID
		BENZYL ALCOHOL
		DIBENZOFURAN

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AR302748

DRAKE CHEMICAL SITE - PHASE III RI SOILS (FIXED BASE)

SAMPLE NUMBER:	DCTFB50-0809	DCTFB50-0809R	DCTFB50-1213	DCTFB51-0910	DCTFB6-1213	DCTFB7-1213
TRAFFIC REPORT NUMBER:	CW275		CW280	CW256	CW251	CW257
FRACTION OF SOLIDS:						
DILUTION FACTOR:	DL = 12.47	DL = 12.59		DL = 11.83	DL = 11.81	DL = 11.85
X MOISTURE/% SOLID/ OR DESCRIPTION:	16.37			20.14	20.0	23.0
UNITS:	UG/KG	UG/KG		UG/KG	UG/KG	UG/KG
DATE SAMPLED:	11/24/87	12/21/87	11/24/87	11/25/87	11/18/87	11/19/87

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AR302749

DRAKE CHEMICAL SITE - PHASE III RI SOILS (FIXED BASE)

SAMPLE NUMBER:	DCTFB50-0809	DCTFB50-0809R	DCTFB50-1213	DCTFB51-0910	DCTFB6-1213	DCTFB7-1213
TRAFFIC REPORT NUMBER:	CM275		CM280	CM255	CM251	CM257
FRACTION OF SOLIDS:						
DILUTION FACTOR:	DL = 12.47	DL = 12.59		DL = 11.83	DL = 11.81	DL = 11.51
X MOISTURE/X SOLID/ OR DESCRIPTION:	16.37		20.14	20.0	23.0	22.6
UNITS:	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG
DATE SAMPLED:	11/24/87	12/21/87	11/24/87	11/25/87	11/18/87	11/19/87

*** ACIDS ***

PP	CAS NO	COMPOUND
65A	108-95-2 95-48-7	PHENOL 2-METHYLPHENOL
34A	106-44-5 105-67-9	4-METHYLPHENOL 2,4-DIMETHYLPHENOL
24A	95-57-8	2-CHLOROPHENOL
31A	120-33-2	2,4-DICHLOROPHENOL
21A	95-95-4 88-06-2	2,4,5-TRICHLOROPHENOL 2,4,6-TRICHLOROPHENOL
64A	87-86-5	PENTACHLOROPHENOL
22A	59-50-7	4-CHLORO-3-METHYLPHENOL
57A	88-75-5	2-NITROPHENOL
58A	100-02-7	4-NITROPHENOL
59A	51-28-5	2,4-DINITROPHENOL
60A	534-52-1	4,6-DINITRO-2-METHYLPHENOL

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AR302750

DRAKE CHEMICAL SITE - PHASE III RI SOILS (FIXED BASE)

SAMPLE NUMBER:	DCTFB50-0809	DCTFB50-0809R	DCTFB50-1213	DCTFB51-0910	DCTFB51-1213	DCTFB56-1213
TRAFFIC REPORT NUMBER:	CM275		CM280	CM256	CM251	CM257
FRACTION OF SOLIDS:						
DILUTION FACTOR:	DL = 0.1247	DL = 0.1259	DL = 0.1183	DL = 0.1181	DL = 0.1185	DL = 0.1151
X MOISTURE/% SOLID/ OR DESCRIPTION:	16.37	UG/KG	20.14	20.0	23.0	22.6
UNITS:	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG
DATE SAMPLED:	11/24/87	12/21/87	11/24/87	11/25/87	11/18/87	11/19/87

*** PESTICIDES ***

PP	CAS NO	COMPOUND	PP	CAS NO	COMPOUND	PP	CAS NO	COMPOUND	PP	CAS NO	COMPOUND	PP	CAS NO	COMPOUND	
319-84-6		ALPHA-BHC	103P	319-85-7	BETA-BHC	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
319-86-8		DELTA-BHC	104P	319-86-8	GAMMA-BHC (LINDANE)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
58-89-9		HEPTACHLOR	100P	76-44-8	HEPTACHLOR EPOXIDE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
101P	1024-57-3	4,4'-DDT	92P	50-29-3	4,4'-DDD	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
72-54-8		4,4'-DDE	93P	72-55-9	4,4'-DDT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
98P	72-20-8	ENDRIN	ND	ND	ENDRIN KETONE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
53-94-70		ENDRIN ALDEHYDE	99P	7121-93-4	ENDOSULFAN I	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
95P	959-98-8	ENDOSULFAN II	ND	ND	ENDOSULFAN SULFATE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
33213-65		ALDRIN	97P	1031-07-8	DIELORIN	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
72-43-5		CHLORDANE	90P	60-57-1	METHOXYCHLOR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
113P	8001-35-2	TOXAPHENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

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AR302751

DRAKE CHEMICAL SITE - PHASE III RI SOILS (FIXED BASE)

SAMPLE NUMBER:

TRAFFIC REPORT NUMBER:
FRACTION OF SOLIDS:

DILUTION FACTOR:

* MOISTURE/X SOLID/ OR DESCRIPTION:

UNITS:

DATE SAMPLED:

DCTFB50-0809

DCTFB50-0809R

DCTFB50-1213

DCTFB51-0910

DCTFB51-1213

MCN006

MCN001

DCTFB9-1112

MCN007

/76.1
MG/KG
11/19/87

*** INORGANICS ***

PP CAS NO COMPOUND

1		ALUMINUM	ND	ND	ND	ND	14100	15600	12500
2		ANTIMONY	ND	ND	ND	J N	J N	J N	J N
3	9	ARSENIC	ND	ND	11	10	213	6.2	
4		BARIUM	ND	ND	64.8	382	76	143	
5		BERYLLIUM	ND	ND	0.5	2.3	(1.0)	1.7	
6		CADMIUM	ND	ND	ND	ND	ND	ND	ND
7		CALCIUM	ND	ND	ND	ND	1452	1845	{530}
8	6.3	CHROMIUM	ND	ND	4.0	22	32	16	
9		COBALT	ND	ND	9.5	104	111	[9.2]	
10	10.0	COPPER	ND	ND	12.0	29	22	27	
11		IRON	ND	ND	ND	55/00	40000	25300	
12	2.0	LEAD	ND	ND	14	J 18N*	J 14N*	J 16N*	
13		MAGNESIUM	ND	ND	ND	1390	2100	1590	
14	77.0	MANGANESE	ND	ND	532	3760	293	359	
15		MERCURY	ND	ND	0.2	ND	ND	ND	
16	16.5	NICKEL	ND	ND	11.9	41	20	21	
17		POTASSIUM	ND	ND	ND	{698}	1430	{409}	
18		SELENIUM	ND	ND	ND	ND	ND	ND	
19		SILVER	ND	ND	ND	ND	ND	ND	
20	18.7	SODIUM	ND	ND	ND	B {302}	B {202}	B {148}	
23	62.7	VANADIUM	ND	ND	3.8	35	32	22	
24		ZINC	ND	ND	63.9	375	104	86	

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AR302752

DRAKE CHEMICAL SITE - PHASE III RI SOILS (FIXED BASE)

SAMPLE NUMBER: TRAFFIC REPORT NUMBER:
FRACTION OF SOLIDS:
DILUTION FACTOR:
X MOISTURE/X SOLID/ OR
UNITS:

DCTFB50-0809 DCT
FEX1/B-NX1

GEOCHEMICAL PARAMETERS

PP CAS NO COMPOUND

CYANIDE	TOTAL ORGANIC CARBON
OIL & GREASE	CATION EXCHANGE CAPACITY
FENAC	B-NAPHTHYLAMINE
	TOTAL SOLIDS
	SIEVE SIZE 1 1/2"
	SIEVE SIZE 1"
	SIEVE SIZE 3/4"
	SIEVE SIZE 1/2"
	SIEVE SIZE 3/8"
	SIEVE SIZE NO. 4
	SIEVE SIZE NO. 10
	SIEVE SIZE NO. 40
	SIEVE SIZE NO. 60
	SIEVE SIZE NO. 200
	PARTICLE SIZE (MM) 0.024
	PARTICLE SIZE (MM) 0.007
	PARTICLE SIZE (MM) 0.001
	LIQUID LIMIT
	PLASTIC LIMIT
	MOISTURE CONTENT
	SPECIFIC GRAVITY (FINE GRAIN)

50-0809R	DCTFB80-1213	DCTFB51-0910	DCTFB86-1213	DCTFB7-1213	DCTFB9-1112
			MCM006	MCM001	MCM007
/87	11/24/87	11/25/87	FEX1/B-NX1 /76.5	FEX1/B-NX1 /81.9	PEX5/B-NX1 /75.1
			11/18/87	11/18/87	11/19/87
				N	N
			ND	ND	ND
			NA	ND	ND
			ND	ND	ND
			NA	ND	ND
			ND	ND	ND
			NA	J 6.2	J 170
			NA	UJ	UJ
			NA	ND	ND
			NA	ND	ND
			ND	ND	ND
			100	ND	ND
			98.6	ND	ND
			98.6	ND	ND
			98.6	ND	ND
			98.5	ND	ND
			98.4	ND	ND
			97.6	ND	ND
			90.9	ND	ND
			47.6	ND	ND
			19.9	ND	ND
			14.2	ND	ND
			6.6	ND	ND
			NP	ND	ND
			NP	ND	ND
			NP	ND	ND
			22.4	ND	ND
			2.66	ND	ND

AR302753

DRAKE CHEMICAL SITE - PHASE III RI SOILS (FIXED BASE)

SAMPLE NUMBER:
TRAFFIC REPORT NUMBER:
FRACTION OF SOLIDS:

DILUTION FACTOR:

X MOISTURE/% SOLID/ OR DESCRIPTION:

UNITS:

DATE SAMPLED:

*** VOLATILES ***

PP	CAS NO	COMPOUND
		ACETONE
	78-03-3	2-BUTANONE
4V	591-78-6	2-PENTANONE
	108-10-1	4-METHYL-2-PENTANONE
	71-13-2	BENZENE
86V	108-88-3	TOLUENE
38V	100-41-4	ETHYL BENZENE
	95-47-6	TOTAL XYLEMES
	100-42-5	STYRENE
7V	108-90-7	CHLOROBENZENE
15V	79-34-5	1,1,2,2-TETRACHLOROETHANE
11V	71-55-6	1,1,1-TRICHLOROETHANE
14V	79-90-5	1,1,2-TRICHLOROETHANE
10V	75-34-3	1,1-DICHLOROETHANE
10V	107-06-2	1,2-DICHLOROETHANE
16V	75-00-3	CHLOROETHANE
85V	127-18-4	TETRACHLOROETHENE
87V	79-01-6	TRICHLOROETHENE
30V	156-60-5	TRANS-1,2-DICHLOROETHENE
29V	75-35-4	1,1-DICHLOROETHENE
88V	75-01-4	VINYL CHLORIDE
6V	56-23-5	CARBON TETRACHLORIDE
23V	67-66-3	CHLOROFORM
44V	75-09-2	METHYLENE CHLORIDE
45V	74-87-3	CHLOROMETHANE
32V	78-87-5	1,2-DICHLOROPROPANE
33VT	10061-02-6	TRANS-1,3-DICHLOROPROPENE
33VC	10061-01-5	CIS-1,3-DICHLOROPROPENE
47V	75-25-2	BROMOFORM
46V	74-83-9	BROMOMETHANE
48V	75-27-4	BROMODICHLOROMETHANE
51V	124-48-1	CHLORODIBROMOMETHANE

AR302754

DRAKE CHEMICAL SITE - PHASE III RI SOILS (FIXED BASE)

SAMPLE NUMBER: 76-15-0
TRAFFIC REPORT NUMBER:
FRACTION OF SOLIDS:
DILUTION FACTOR:
 MOISTURE/% SOLID/ OR DESCRIPTION:
UNITS:
DATE SAMPLED: _____

76-15-0 CARBON DISULFIDE
19V 110-75-8 2-CHLOROETHYL VINYL ETHER
108-05-4 VINYL ACETATE

H-161

AR302755

DRAKE CHEMICAL SITE - PHASE III RI SOILS (FIXED BASE)

SAMPLE NUMBER:
 TRAFFIC REPORT NUMBER:
 FRACTION OF SOLIDS:
 DILUTION FACTOR:
 X MOISTURE/X SOLID/ OR DESCRIPTION:
 UNITS:
 DATE SAMPLED:

*** BASE/NEUTRALS ***

PP	CAS NO	COMPOUND
66B	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE
68B	84-74-2	DI-N-BUTYL PHTHALATE
67B	85-68-7	BUTYL BENZYL PHTHALATE
77B	208-96-8	ACENAPHTHYLENE
78B	120-12-7	ANTHRACENE
72B	56-55-3	BENZO(A)ANTHRACENE
74B	205-99-2	BENZO(B)FLUORANTHENE
	207-08-9	BENZO(K)FLUORANTHENE
79B	191-22-2	BENZO(G,H,I)PERYLENE
73B	50-32-8	BENZO(A)PYRENE
76B	218-01-9	CHRYSENE
82B	53-70-3	DI BENZO(A,H)ANTHRACENE
39B	206-44-0	FLUORANTHENE
80B	86-73-7	FLUORENE
83B	193-39-5	INDENO(1,2,3-CD)PYRENE
65B	91-20-3	NAPHTHALENE
	91-57-6	2-METHYLNAPHTHALENE
81B	85-01-8	PHENANTHRENE
84B	129-00-0	PYRENE
	95-50-1	1,2-DICHLOROBENZENE
26B	541-73-1	1,3-DICHLOROBENZENE
27B	106-46-7	1,4-DICHLOROBENZENE
8B	120-82-1	1,2,4-TRICHLOROBENZENE
56B	98-95-3	NITROBENZENE
	99-09-2	3-NITROANILINE
	100-01-6	4-NITROANILINE
	106-47-8	4-CHLOROANILINE
53B	77-47-4	HEXACHLOROCYCLOPENTADIENE
28B	91-94-1	3,3'-DICHLOROBENZIDINE
	65-85-0	BENZOIC ACID
	100-51-6	BENZYL ALCOHOL
	132-64-9	DI BENZOFURAN

T-162
C

AR302756

DRAKE CHEMICAL SITE - PHASE III RI SOILS (FIXED BASE)

SAMPLE NUMBER:
TRAFFIC REPORT NUMBER:
FRACTION OF SOLIDS:
DILUTION FACTOR:
 MOISTURE/Z SOLID/ OR DESCRIPTION:
UNITS:
DATE SAMPLED:

H-163

AR302757

DRAKE CHEMICAL SITE - PHASE III RI SOILS (FIXED BASE)

SAMPLE NUMBER:
 TRAFFIC REPORT NUMBER:
 FRACTION OF SOLIDS:
 DILUTION FACTOR:
 X MOISTURE/% SOLID/ OR DESCRIPTION:
 UNITS:
 DATE SAMPLED:

*** ACIDS ***

PP	CAS NO	COMPOUND
65A	108-95-2	PHENOL
	95-48-7	2-METHYLPHENOL
	106-44-5	4-METHYLPHENOL
34A	105-67-9	2,4-DIMETHYLPHENOL
2A	95-57-8	2-CHLOROPHENOL
31A	120-33-2	2,4-DICHLOROPHENOL
	95-95-4	2,4,5-TRICHLOROPHENOL
21A	88-06-2	2,4,6-TRICHLOROPHENOL
64A	87-86-5	PENTACHLOROPHENOL
22A	59-50-7	4-CHLORO-3-METHYLPHENOL
57A	88-75-5	2-NITROPHENOL
56A	100-02-7	4-NITROPHENOL
59A	51-28-5	2,4-DINITROPHENOL
60A	534-52-1	4,6-DINITRO-2-METHYLPHENOL

H-164

AR302758

DRAKE CHEMICAL SITE - PHASE III RI SOILS (FIXED BASE)

SAMPLE NUMBER:
 TRAFFIC REPORT NUMBER:
 FRACTION OF SOLIDS:
 DILUTION FACTOR:
 MOISTURE/% SOLID/ OR DESCRIPTION:
 UNITS:
 DATE SAMPLED:

*** PESTICIDES ***

PP	CAS NO	COMPOUND
	319-84-6	ALPHA-BHC
103P	319-85-7	BETA-BHC
104P	319-86-8	DELTA-BHC
105P	58-89-9	GAMMA-BHC (LINDANE)
100P	76-44-8	HEPTACHLOR
101P	1024-57-3	HEPTACHLOR EPOXIDE
92P	50-29-3	4,4'-DDT
	72-54-8	4,4'-DDD
93P	72-55-9	4,4'-DDE
98P	72-20-8	ENDRIN
	53494-70	ENDRIN KETONE
99P	7421-93-4	ENDRIN ALDEHYDE
95P	959-98-8	ENDOSULFAN 1
	33213-65	ENDOSULFAN 11
97P	1031-07-8	ENDOSULFAN SULFATE
	309-00-2	AUDRIN
90P	60-57-1	DIELDRIN
91P	57-74-9	CHLORDANE
	72-43-5	METHOKYCHLOR
113P	8001-35-2	TOAAPHENE

I - 165

AR302759

DRAKE CHEMICAL SITE - PHASE III RI SOILS (FIXED BASE)

SAMPLE NUMBER:
TRAFFIC REPORT NUMBER:
FRACTION OF SOLIDS:
DILUTION FACTOR:
X MOISTURE/X SOLID/ OR DESCRIPTION:
UNITS:
DATE SAMPLED:

*** INORGANICS ***

PP	CAS NO	COMPOUND
1		ALUMINUM
2		ANTIMONY
3		ARSENIC
4		BARIUM
5		BERYLLIUM
6		CAMMIUM
7		CALCIUM
8		CHROMIUM
9		COBALT
10		COPPER
11		IRON
12		LEAD
13		MAGNESIUM
14		MANGANESE
15		MERCURY
16		NICKEL
17		POTASSIUM
18		SELENIUM
19		SILVER
20		SODIUM
23		VANADIUM
24		ZINC

H - 166

AR302760

DRAKE CHEMICAL SITE - PHASE III RI SOILS (FIXED BASE)

SAMPLE NUMBER:
 TRAFFIC REPORT NUMBER:
 FRACTION OF SOLIDS:
 DILUTION FACTOR:
 MOISTURE/X SOLID/ OR DESCRIPTION:
 UNITS:
 DATE SAMPLED:

*** GEOCHEMICAL PARAMETERS ***

PP	CAS NO	COMPOUND
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CYANIDE		
TOTAL ORGANIC CARBON		
CATION EXCHANGE CAPACITY		
OIL & GREASE		
FENAC		
B-NAPHTHYLAMINE		
TOTAL SOLIDS		
SIEVE SIZE 1 1/2"		
SIEVE SIZE 1"		
SIEVE SIZE 3/4"		
SIEVE SIZE 1/2"		
SIEVE SIZE 3/8"		
SIEVE SIZE NO. 4		
SIEVE SIZE NO. 10		
SIEVE SIZE NO. 40		
SIEVE SIZE NO. 60		
SIEVE SIZE NO. 200		
PARTICLE SIZE (MM) 0.024		
PARTICLE SIZE (MM) 0.007		
PARTICLE SIZE (MM) 0.001		
LIQUID LIMIT		
PLASTIC LIMIT		
PLASTIC INDEX		
MOISTURE CONTENT		
SPECIFIC GRAVITY (FINE GRAIN)		

I - 167

AR302761

APPENDIX H-4

SOILS VOA (FS) AND PHENOLS

AR302762

DRAKE CHEMICAL SITE PHASE III RI - SOILS VOA (FS) & PHENOLS

SAMPLE NUMBER: DRH15-0001
 TRAFFIC REPORT NUMBER: 2-414
 MOISTURE CORRECTION:
 DILUTION FACTOR: 100
 SAMPLE LOCATION: B15-A
 UNITS: ug/kg
 DATE SAMPLED: 11/21/87

SAMPLE NUMBER:	DRH15-0001	DRH15-0510	DRH15-1013	DRH24-1014	DRH25-1015	DRH28-14163	DRH31-1216
TRAFFIC REPORT NUMBER:	2-414	1,320	1,376	1,207	1,205	1,250	1,242
MOISTURE CORRECTION:							
DILUTION FACTOR:							
SAMPLE LOCATION:	B15-A	B15-B	B15-C	B24-C	B25-C	B28-C	B31-C
UNITS:	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
DATE SAMPLED:	11/21/87	11/21/87	11/18/87	11/19/87	11/19/87	11/23/87	11/17/87

*** VOLATILES ***

PP	CAS NO	COMPOUND	PP	CAS NO	COMPOUND
4V	71-43-2	BENZENE	86V	108-88-3	TOLUENE
38V	100-41-4	PHENOL	7V	108-90-7	CHLOROBENZENE
10V	107-06-2	1,2-DICHLOROETHANE	87V	79-01-6	TRICHLOROETHENE
23V	67-66-3	CHLOROFORM			

5.15	5.61	<DL
2.9	2.8	<DL
<DL	<DL	<DL
6.23	7.01	7.01
4534J	1B.87	91J
5.63	127J	16.86
ND	ND	ND
ND	ND	<DL
ND	ND	<DL
ND	ND	<DL

T-168

AR302763

DRANE CHEMICAL SITE PHASE III RI - SOILS VOA (FS) & PHENOLS

SAMPLE NUMBER:	B0315-0001	DKH15-0510	DKH15-1013	DKW24-1014	DKW25-1015	DKW28-1416	DKW31-1216
TRAFFIC REPORT NUMBER:							
MOISTURE CORRECTION:	2.444	1.320	1.376	1.207	1.205	1.250	1.242
DILUTION FACTOR:							
SAMPLE LOCATION:	B15-A	B15-B	B15-C	B24-C	B25-C	B28-C	B31-C
UNITS:	UG/KG						
DATE SAMPLED:	11/21/87	11/21/87	11/21/87	11/18/87	11/19/87	11/23/87	11/17/87

*** BASE/NEUTRALS ***

PP	CAS NO	COMPOUND
----	--------	----------

27H	106-46-7	1,4-DICHLOROBENZENE
-----	----------	---------------------

DL.	R	<DL.	DL.	1.5	DL.
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H-169

AR302764

DRAKE CHEMICAL SITE PHASE III RI - SOILS VOA (FS) & PHENOLS

SAMPLE NUMBER:	HWB15-0001	HWB15-0510	HWB15-1013	HWB24-1014	HWB25-1015	HWB28-11165	HWB31-1216
TRAFFIC REPORT NUMBER:	2.411	1.320	1.376	1.207	1.205	1.250	1.242
MOISTURE CORRECTION:							
DILUTION FACTOR:	B15-A	B15-B	B15-C	B24-C	B25-C	B28-C	B31-C
SAMPLE LOCATION:	0G/KG	0G/KG	0G/KG	0G/KG	0G/KG	0G/KG	0G/KG
UNITS:	11/21/87	11/21/87	11/21/87	11/19/87	11/19/87	11/23/87	11/17/87
DATE SAMPLED:							

*** ANALYSIS ***

PP	C AS NO	COMPOUND					
11A	120-34-2	2,4-DI(4-METHOXYPHENYL)	ND	ND	ND	ND	ND
59A	51-28-5	2,4-DIN TROPHENOYL	1600	120	ND	ND	ND
				1700	ND	ND	ND

AR302765

H-176

THREAT CHAMBER SITE PHASE II RI - SOILS VOA (TS) & PHENOLS

SAMPLE NUMBER:

TRAFFIC REPORT NUMBER:

MOISTURE CORRECTION:

DILUTION FACTOR:

SAMPLE LOCATION:

UNITS:

DATE SAMPLED:

1B R15-00001

10413-06,10

10415-1014

10424-1014

10425-1015

10428-1116

10431-1216

2, 111

1,320

1,376

1,207

Bl. = 0,12.39

1,250

1,242

R15-A

R15-R

R15-C

R21-C

R28-C

R31-C

UG/KG

UG/KG

UG/KG

UG/KG

UG/KG

UG/KG

11/21/87

11/21/87

11/18/87

11/19/87

11/23/87

11/17/87

*** PESTICIDES ***

PP CAS NO COMPOUND

NO PARAMETERS FOR THIS CATEGORY

AR302766

T-171

BRAKE CHEMICAL SITE PHASE III RI - SOILS VOL (FS) & PHENOLS

SAMPLE NUMBER:	BCB15-00001	BCB15-0510	BCB15-1013	BCB24-1014	BCB25-1015	BCB28-14165	BCB31-1216
TRAFFIC REPORT NUMBER:							
MOISTURE CORRECTION:							
DILUTION FACTOR:							
SAMPLE LOCATION:							
UNITS:	11/21/87	11/21/87	11/21/87	11/19/87	11/21/87	11/17/87	
DATE SAMPLED:							

*** INORGANICS ***

IP	(AS No)	COMPOUND
----	---------	----------

NO PARAMETERS FOR THIS CATEGORY

DRANE CHEMICAL SITE PHASE III RI - 301LS VOL (ES) & 19H NO.5

SAMPLE NUMBER:	BCP15-00001	BCP15-0510	BCP15-1013	BCP23-1011	BCP28-14165	BCP31-1716
TRAFFIC REPORT NUMBER:						
MOISTURE CORRECTION:						
DILUTION FACTOR:						
SAMPLE LOCATION:						
UNITS:						
DATE SAMPLED:	11/21/87	11/21/87	11/21/87	11/18/87	11/19/87	11/23/87

*** GEOCHEMICAL PARAMETERS ***

PP	CAS NO	COMPOUND
----	--------	----------

NO PARAMETERS FOR THIS CATEGORY

AR302768

H-173

BRAKE CHEMICAL SITE PHASE III RI - S0115 VOA (FS) & PHOTOS

SAMPLE NUMBER: DC32-1014

TRAFFIC REPORT NUMBER: 1.1R9

MOISTURE CORRECTION:

DILUTION FACTOR: 332.6

SAMPLE LOCATION: UG/KG

UNITS: 11/20/87

DATE SAMPLED:

*** VOLATILES ***

IP	CAS NO	COMPONENT	PPM
1A	1-43-2	BENZENE	ND
863V	108-98-3	TOLUENE	ND
3BV	100-41-4	ETHYLBENZENE	3.7
7A	108-90-7	CHLOROBENZENE	11.6 ^b
10V	101-06-2	1,2-DICHLOROETHANE	12.30
87V	79-01-6	TRICHLOROETHENE	ND
211	67-66-3	CHLOROFORM	2.1

AR302769

H-174

INHABITANT CHEMICAL SITE PHASE 111 RI - SOILS WQA (FS) & PHENOLS

SAMPLE NUMBER: WKR12-101-1

TRAFFIC REPORT NUMBER: 1,189

MOISTURE CORRECTION:

DILUTION FACTOR: 1.182

SAMPLE LOCATION: WKR-4'

UNITS: kg/kg

DATE SAMPLED: 11/20/87

*** BASE/NEUTRALS ***

PP CAS NO COMPOUND

27B 106-46-7 1,4-DICHLOROBENZENE

ND

AR302770

H-175

DRAFT CHEMICAL SITE PHASE I II RI - Soils VOA (FS) & PHENOLS

SAMPLE NUMBER: DWR32-1011

TRAFFIC REPORT NUMBER: 1,189

MOISTURE CORRECTION:

DILUTION FACTOR: B32-C

SAMPLE LOCATION: 667/KG

UNITS: 1/1/20/87

DATE SAMPLED:

*** ACTIDS ***

PP	CAS NO	COMPOUND
31A	120-33-2	2,4-DICHLOROPHENOL.
59A	51-24-5	2,4-DINITROPHENOL.

H-176

AR302771

DRAKE CHEMICAL SITE PHASE III RI - SOILS VOA (FS) & PHENOLS

SAMPLE NUMBER: DRB32-1014

TRAFFIC REPORT NUMBER: 1, 189

MOISTURE CORRECTION:

DILUTION FACTOR:

SAMPLE LOCATION:

UNITS:

DATE SAMPLED:

*** PESTICIDES ***

PP CAS NO COMPOUND

NO PARAMETERS FOR THIS CATEGORY

I - 177

AR302772

DRAKE CHEMICAL SITE PHASE III RI - UNIT 3 VOA (PS) & METHODS

SAMPLE NUMBER: WTR32-1014

TRAFFIC REPORT NUMBER:

MOISTURE CORRECTION:

DIILUTION FACTOR:

SAMPLE LOCATION:

UNITS:

DATE SAMPLED:

*** INORGANICS ***

PP CAS NO COMPOUND

NO PARAMETERS FOR THIS CATEGORY

H-178

AR302773

DRAKE CHEMICAL SITE PHASE 111 RI - SOLIDS VOA (FS) & PHENOLS

SAMPLE NUMBER:

TRAFFIC REPORT NUMBER:

MOISTURE CORRECTION:

DILUTION FACTOR:

SAMPLE LOCATION:

UNITS:

DATE SAMPLED:

DCBJ2-1014

11/20/87

*** GEONHEMICAL PARAMETERS ***

PP CAS NO

COMPOUND

NO PARAMETERS FOR THIS CATEGORY

H-179

AR302774

AR302775

DRAKE CHEMICAL SITE - PHASE III RI SOILS - VOA (FS) & PHENOLS

SAMPLE NUMBER:
TRAFFIC REPORT NUMBER:
MOISTURE CORRECTION:
DILUTION FACTOR:
SAMPLE LOCATION:
UNITS:
DATE SAMPLED:

	BCT-30	BCT-31	BCT01-0102	BCT01-0708	BKT01-1112	BKT02-0102
	UG/KG	UG/KG	UG/KG	UG/KG	T1-C UG/KG	T2-A UG/KG
	11/17/87	11/17/87	11/13/87	11/13/87	11/13/87	11/17/87

*** VOLATILES ***

PP	CAS NO	COMPOUND				
4V	71-43-2	BENZENE	ND	<DL	<DL	<DL
86V	108-88-3	TOLUENE	ND	ND	7.107	1.94
3AV	100-41-4	ETHYLBENZENE	ND	<DL	ND	<DL
7V	108-90-7	CHLOROBENZENE	ND	ND	10.638	<DL
10V	107-06-2	1,2-DICHLOROETHANE	ND	<DL	7.046	23.141
87V	79-01-6	TRICHLOROETHENE	ND	<DL	20.6	<DL
23V	67-66-3	CHLOROFORM	ND	<DL	<DL	ND

AR302776

H-180.

DRAKE CHEMICAL SITE - PHASE III RI SOILS - VOA (FS) & PHENOLS

SAMPLE NUMBER:	DCT-30	DET-31	BCT01-0102	DCT01-0708	DCT01-1112	BKT02-0102	DKT02-0405
TRAFFIC REPORT NUMBER:			1.480	1.321	1.339	1.400	1.408
MOISTURE CORRECTION:							
DILUTION FACTOR:							
SAMPLE LOCATION:			T1-A	T1-B	T1-C	T2-A	T2-B
UNITS:	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG
DATE SAMPLED:	11/17/87	11/13/87	11/13/87	11/13/87	11/13/87	11/13/87	11/17/87

*** BASE/NEUTRALS ***

PP	CAS NO	COMPOUND
----	--------	----------

27B	106-46-7	1,4-DICHLOROBENZENE
-----	----------	---------------------

ND	<DL	<DL	ND	<DL
----	-----	-----	----	-----

AR302777

DRAKE CHEMICAL SITE - PHASE III RI SOILS - VOA (FS) & PHENOLS

SAMPLE NUMBER:	WT-30	WT-31	WT-0102	WT-01-0708	WT-01-1112	WT-02-0102	WT-02-0405
TRAFFIC REPORT NUMBER:							
MOISTURE CORRECTION:							
DILUTION FACTOR:							
SAMPLE LOCATION:							
UNITS:	UG/KG	UG/KG	T1-B UG/KG	T1-C UG/KG	T2-A UG/KG	T2-B UG/KG	
DATE SAMPLED:	11/17/87	11/17/87	11/13/87	11/13/87	11/13/87	11/13/87	11/17/87

*** ACIDS ***

PP	CAS NO	COMPOUND					
65A	109-95-2	PHENOL	990	ND	WT-590B	ND	WT-450B
34A	105-67-9	2,4-DIMETHYLPHENOL	ND	ND	ND	ND	ND
31A	120-33-2	2,4-DICHLOROPHENOL	ND	ND	ND	ND	ND
59A	51-28-5	2,4-DINITROPHENOL	ND	ND	560	ND	330

AR302778

T-182

DRAKE CHEMICAL SITE - PHASE III RI SOILS - VOA (FS) & PHENOLS

SAMPLE NUMBER:	WT-30	WT-31	WT01-0102	WT01-0708	WT01-1112	WT02-0102	WT02-0403
TRAFFIC REPORT NUMBER:			1.480	1.321	1.339	1.400	1.408
MOISTURE CORRECTION:							
DILUTION FACTOR:							
SAMPLE LOCATION:		T1-A	T1-B	T1-C	T2-A	T2-B	
UNITS:	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	
DATE SAMPLED:	11/17/87	11/17/87	11/13/87	11/13/87	11/13/87	11/13/87	11/17/87

*** PESTICIDES ***

PP CAS NO COMPOUND

NO PARAMETERS FOR THIS CATEGORY

H - 183

AR302779

DRAKE CHEMICAL SITE - PHASE III RI SOILS - VOA (FS) & PHENOLS

SAMPLE NUMBER:	IKT-30	IKT-31	IKT-0102	IKT01-0708	IKT01-1112	IKT02-0102
TRAFFIC REPORT NUMBER:						IKT02-0409
MOISTURE CORRECTION:						
DILUTION FACTOR:						
SAMPLE LOCATION:						
UNITS:	11/17/87	11/17/87	11/13/87	11/13/87	11/13/87	11/17/87
DATE SAMPLED:						

*** INORGANICS ***

PP CAS NO COMPOUND

NO PARAMETERS FOR THIS CATEGORY

T - 184

AR302780

DRAKE CHEMICAL SITE - PHASE III RI SOLIDS - VOA (FS) & PREVIOUS

SAMPLE NUMBER:	IKT-30	IKT-31	IKT01-0102	IKT01-0708	IKT01-1112	IKT02-0102	IKT02-0405
TRAFFIC REPORT NUMBER:							
MOISTURE CORRECTION:							
DILUTION FACTOR:							
SAMPLE LOCATION:							
UNITS:							
DATE SAMPLED:	11/17/87	11/17/87	11/13/87	11/13/87	11/13/87	11/17/87	11/17/87

*** GEOCHEMICAL PARAMETERS ***

PP	CAS NO	COMPOUND
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NO PARAMETERS FOR THIS CATEGORY

DRAKE CHEMICAL SITE - PHASE III RI SOILS - VOA (FS) & PHENOLS

SAMPLE NUMBER:	WTRW2-07008	WTRW3-0102	WTRW3-0708	WTRW3-0910	WTRW4-0001	WTRW4-0708
TRAFFIC REPORT NUMBER:	1.258	1.214	1.185	1.210	1.770	1.210
MOISTURE CORRECTION:						1.305
DILUTION FACTOR:						
SAMPLE LOCATION:	T2-B	T3-A	T3-B	T3-C	T4-A	T4-C
UNITS:	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG
DATE SAMPLED:	11/17/87	11/17/87	11/17/87	11/17/87	11/17/87	11/17/87

*** BASE/NEUTRALS ***

PP	CAS NO	COMPOUND	DL.	DL.	DL.	DL.
27B	106-46-7	1,4-DICHLOROBENZENE	<DL.	<DL.	50.44	<DL.

AR302783

1-107

DRAKE CHEMICAL SITE - PHASE III RI SOILS - VOA (FS) & PHENOLS

SAMPLE NUMBER:
TRAFFIC REPORT NUMBER:
MOISTURE CORRECTION:
DILUTION FACTOR:
SAMPLE LOCATION:
UNITS:
DATE SAMPLED:

IK-T02-0708
1.258
T2-B
UG/KG
11/17/87

IK-T03-0102
1.214
T3-A
UG/KG
11/17/87

*** AIDS ***

PP	CAS NO	COMPOUND
65A	108-95-2	PHENOL
34A	105-67-9	2,4-DIMETHYLPHENOL
31A	120-33-2	2,4-DICHLOROPHENOL
59A	51-28-5	2,4-DINITROPHENOL

	B 290R		B 290R		B 290R		B 290R	
	ND		ND		ND		ND	
	ND		ND		ND		ND	
	130		ND		ND		ND	
	ND		ND		ND		ND	
					260			

AR302784

DRAKE CHEMICAL SITE - PHASE III RI SOILS - VOA (FS) & PHENOLS

SAMPLE NUMBER:	DTU02-0708	DTU03-0102	DTU03-0708	DTU03-0910	DTU04-0001	DTU04-0708	DTU04-1011
TRAFFIC REPORT NUMBER:	1.258	1.214	1.185	1.210	1.770	1.210	1.305
MOISTURE CORRECTION:							
DILUTION FACTOR:							
SAMPLE LOCATION:	T2-B	T3-A	T3-B	T3-C	T4-A	T4-B	T4-C
UNITS:	UG/KG						
DATE SAMPLED:	11/17/87	11/17/87	11/17/87	11/17/87	11/17/87	11/17/87	11/17/87

*** PESTICIDES ***

PP	CAS NO	COMPOUND

NO PARAMETERS FOR THIS CATEGORY

AR302785

DRAKE CHEMICAL SITE - PHASE 111 RI SOLIDS - VOA (FS) & PHENOLS

SAMPLE NUMBER:	DCT02-0708	DCT03-0102	DCT03-0708	DCT03-0910	DCT04-0001	DCT04-0708	DCT04-1011
TRAFFIC REPORT NUMBER:							
MOISTURE CORRECTION:							
DILUTION FACTOR:							
SAMPLE LOCATION:							
UNITS:	11/17/87	11/17/87	11/17/87	11/17/87	11/17/87	11/17/87	11/17/87
DATE SAMPLED:							

*** INORGANICS ***

PP	CAS NO	COMPOUND

NO PARAMETERS FOR THIS CATEGORY

AR302786

DRAKE CHEMICAL SITE - PHASE III RI SOILS - VOA (FS) & PHENOLS

SAMPLE NUMBER:	DKT02-0709	DKT03-0102	DKT03-0708	DKT03-0910	DKT04-0001	DKT04-0708	DKT04-1011
TRAFFIC REPORT NUMBER:							
MOISTURE CORRECTION:							
DILUTION FACTOR:							
SAMPLE LOCATION:							
UNITS:							
DATE SAMPLED:	11/17/87	11/17/87	11/17/87	11/17/87	11/17/87	11/17/87	11/17/87

*** GEOCHEMICAL PARAMETERS ***

PP	CAS NO	COMPOUND
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NO PARAMETERS FOR THIS CATEGORY

AR302787

H-191

DRAKE CHEMICAL SITE - PHASE III RI SOILS - VOA (FS) & PHENOLS

SAMPLE NUMBER:	WT05-0102	OCT05-0708	WT05-0885	WT05-1243	WT06-0102	WT06-0708
TRAFFIC REPORT NUMBER:	1.15.3	1.341	T5-B	1.238	1.394	1.261
MOISTURE CORRECTION:						1.368
DILUTION FACTOR:						
SAMPLE LOCATION:	T5-A UG/KG 11/18/87	T5-B UG/KG 11/18/87	T5-C UG/KG 11/05/87	T6-A UG/KG 11/18/87	T6-B UG/KG 11/18/87	T6-C UG/KG 11/18/87
UNITS:						
DATE SAMPLED:						

*** VOLATILES ***

PP	CAS NO	COMPOUND	PP	CAS NO	COMPOUND	PP	CAS NO	COMPOUND	PP	CAS NO	COMPOUND
4V	71-43-2	BENZENE	<DL			<DL			<DL		
66V	108-88-3	TOLUENE	<DL	2,6-J		<DL			10,55		
34V	100-41-4	ETHYLBENZENE	<DL	6,5-J		<DL			5,66		
7V	108-90-7	CHLOROBENZENE	<DL			1,6			5,0		
10V	107-06-2	1,2-DICHLOROETHANE	5,525-J			17,93			410J		
H7V	79-01-6	TRICHLOROETHENE	ND			6,3J			10,89		
23V	67-66-3	CHLOROFORM	5,062			ND			ND		
						ND			18,1		
						<DL			<DL		

AR302788

I - 192

DRANE CHEMICAL SITE - PHASE III RI SOILS - VOA (FS) & PHENOLS

SAMPLE NUMBER:	DT05-0102	DT05-0708	DT05-0885	DT05-1213	DT06-0102	DT06-010H	DT06-1214
TRAFFIC REPORT NUMBER:	1.153	1.341	T5-B	1.238	1.194	1.261	1.368
MOISTURE CORRECTION:							
DILUTION FACTOR:							
SAMPLE LOCATION:	T5-A	T5-B	T5-C	T6-A	T6-B	T6-C	
UNITS:	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	
DATE SAMPLED:	11/18/87	11/18/87	11/18/87	11/18/87	11/18/87	11/18/87	11/18/87

*** BASE/NEUTRALS ***

PP	CAS NO	COMPOUND
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27B	106-46-7	1,4-DICHLOROBENZENE
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<DL	212	N.D.
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		29.12
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		28.7
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		31.9
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AR302789

DRAKE: CHEMICAL SITE - PHASE III RI SOILS - VOA (FS) & PHENOLS

SAMPLE NUMBER: TRAFFIC REPORT NUMBER
MOISTURE CORRECTION:
DILUTION FACTOR:
SAMPLE LOCATION:
UNITS:
DATE SAMPLED:

DET05-0102
1.153
T5-A
UG/KG
11/18/87

RT05-0704	RT05-0885	RT05-1213	RT06-0102	RT06-0704	RT06-1214
1.341	T5-B	1.238	1.394	1.264	1.368
T5-B	UG/KG	T5-C UG/KG	T6-A UG/KG	T6-B UG/KG	T6-C UG/KG
11/18/87	11/05/87	11/18/87	11/18/87	11/18/87	11/18/87

*** PESTICIDES ***

IP IPAS NO COMPOUND

NO L'AKAMETEHS FOR THIS CATERWAIL

AR302791

BRAKE CHEMICAL SITE - PHASE III RI SOLIDS - VQA (FS) & PHENOLS

SAMPLE NUMBER:	BCT05-0102	BCT05-0708	BCT05-0885	BCT05-1213	BCT06-0102	BCT06-0708	BCT06-1213
TRAFFIC REPORT NUMBER:							
MOISTURE CORRECTION:							
DISSOLUTION FACTOR:							
SAMPLE LOCATION:							
UNITS:	11/18/87	11/18/87	11/05/87	11/18/87	11/18/87	11/18/87	11/18/87
DATE SAMPLED:							

*** INORGANICS ***

PP	CAS NO	COMPOUND

NO PARAMETERS FOR THIS CATEGORY

H-196

AR302792

DRAKE CHEMICAL SITE - PHASE III RI SOILS - VOA (FS) & PHENOLS

SAMPLE NUMBER:	IKTU05-0102	IKTU05-0708	IKTU05-0885	IKTU05-1213	IKTU06-0102	IKTU06-0708	IKTU06-1213
TRAFFIC REPORT NUMBER:							
MOISTURE CORRECTION:							
DILUTION FACTOR:							
SAMPLE LOCATION:							
UNITS:							
DATE SAMPLED:	11/18/87	11/18/87	11/05/87	11/18/87	11/18/87	11/18/87	11/18/87

*** GEOCHEMICAL PARAMETERS ***

PP CAS NO COMPOUND

NO PARAMETERS FOR THIS CATEGORY

AR302793

H-197

DRAKE CHEMICAL SITE - PHASE III RI SOILS - VOA (FS) & PHENOLS

SAMPLE NUMBER:		IRTO7-0001	IRTO7-0607	IRTO7-1213	IRTO9-0001	IRTO9-0405	IRTO9-1112	IRTO10-0102
TRAFFIC REPORT NUMBER:	1,140	1,223	1,343	1,214	1,232	1,262	1,146	
MOISTURE CORRECTION:								
DILUTION FACTOR:								
SAMPLE LOCATION:	T7-A	T7-B	T7-C	T9-A	T9-B	T9-C	T10-A	
UNITS:	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	
DATE SAMPLED:	11/12/87	11/12/87	11/13/87	11/18/87	11/18/87	11/18/87	11/21/87	

*** VOLATILES ***		
PP	CAS NO	COMPOUND
4V	71-43-2	BENZENE
86V	108-98-3	TOLUENE
38V	100-41-4	ETHYLBENZENE
7V	108-90-7	CHLOROBENZENE
10V	107-06-2	1,2-DICHLOROETHANE
87V	79-01-6	TRICHLOROETHENE
23V	67-66-3	CHLOROFORM

<DL	8	9	<DL	<DL	<DL
9,376	5,02	15,30	<DL	2,33	1,93
11,226	5J	9,28	<DL	ND	<DL
18,424	112	201,5	<DL	8,869J	12,980
8,202	32,6	50	3,43	28,204J	45,92
<DL	<DL	<DL	ND	ND	18,11
12,667	9,79	34	<DL	ND	28,682

H - 198

AR302794

DRAKE CHEMICAL SITE - PHASE III RI SOILS - VOA (FS) & PHENOLS

SAMPLE NUMBER:	DCT07-0001	DCT07-0607	DCT07-4213	DCT09-0001	DCT09-0405	DCT09-1112	DCT10-0102
TRAFFIC REPORT NUMBER:	1.140	1.223	1.343	1.214	1.232	1.262	1.146
MOISTURE CORRECTION:							
DILUTION FACTOR:	T7-A	T7-B	T7-C	T9-A	T9-B	T9-C	T10-A
SAMPLE LOCATION:	UG/KG						
UNITS:	11/12/87	11/12/87	11/13/87	11/18/87	11/18/87	11/18/87	11/21/87
DATE SAMPLED:							

*** BASE/NEUTRALS ***

PP	CAS NO	COMPOUND
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276	106-46-7	1,4-DICHLOROBENZENE
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30	78	116	ND	ND	ND	<10.
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H-199

AR302795

DRAKE CHEMICAL SITE - PHASE III RI

SOILS - VOA (FS) & PHENOLS

SAMPLE NUMBER:	WTU7-0001	WTU7-0607	WTU7-1213	WTU9-0001	WTU9-0405	WTU9-1112	WTU10-0102
TRAFFIC REPORT NUMBER:	1-140	1-223	1-343	1-214	1-232	1-262	1-146
MOISTURE CORRECTION:							
DILUTION FACTOR:	T7-A	T7-B	T7-C	T9-A	T9-B	T9-C	T10-A
SAMPLE LOCATION:	UG/KG						
UNITS:	11/12/87	11/12/87	11/13/87	11/18/87	11/18/87	11/18/87	11/21/87
DATE SAMPLED:							

*** AIDS ***

PP	CAS NO	COMPOUND
65A	108-95-2	PHENOL
34A	105-67-9	2,4-DIMETHYLPHENOL
31A	120-33-2	2,4-DICHLOROPHENOL
59A	51-28-5	2,4-DINITROPHENOL

B 200B	B 330B	ND	ND	ND	ND
710B	ND	ND	ND	ND	ND
ND	ND	ND	ND	ND	ND
2500	ND	ND	ND	ND	ND

T - 200

AR302796

DRAKE CHEMICAL SITE - PHASE III RI SOILS - VOA (FS) & PHENOLS

SAMPLE NUMBER:	DCT07-00001	DCT07-0607	DCT07-1213	DCT09-00001	DCT09-0406	DCT09-1112
TRAFFIC REPORT NUMBER:	1.140	1.223	1.343	1.214	1.232	1.262
MOISTURE CORRECTION:						1.146
DILUTION FACTOR:	T7-A	T7-B	T7-C	T9-A	T9-B	T10-A
SAMPLE LOCATION:	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG
UNITS:	11/12/87	11/12/87	11/13/87	11/18/87	11/18/87	11/18/87
DATE SAMPLED:						

*** PESTICIDES ***

PP	CAS NO	COMPOUND
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NO PARAMETERS FOR THIS CATEGORY

AR302797

DRAKE CHEMICAL SITE - PHASE 111 RI SOILS - VOA (FS) & PHENOLS

SAMPLE NUMBER:	DKT07-0001	DKT07-0607	DKT07-1213	DKT09-0001	DKT09-0405	DKT09-1112
TRAFFIC REPORT NUMBER:						
MOISTURE CORRECTION:						
DILUTION FACTOR:						
SAMPLE LOCATION:						
UNITS:	11/12/87	11/12/87	11/13/87	11/18/87	11/18/87	11/18/87
DATE SAMPLED:						

*** INORGANICS ***

IP	CAS NO	COMPOUND
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NO PARAMETERS FOR THIS CATEGORY

H-202

AR302798

URAKA CHEMICAL SITE - PHASE III RI SOILS - VOA (FS) & PHENOMS

SAMPLE NUMBER:	IK-T07-0001	IK-T07-0607	IK-T07-1213	IK-T09-0001	IK-T09-0405	IK-T09-1112	IK-T10-0102
TRAFFIC REPORT NUMBER:							
MOISTURE CORRECTION:							
DILUTION FACTOR:							
SAMPLE LOCATION:							
UNITS:	11/12/87	11/12/87	11/13/87	11/18/87	11/18/87	11/18/87	11/21/87
DATE SAMPLED:							

*** GEOCHEMICAL PARAMETERS ***

PP	CAS NO	COMPOUND
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NO PARAMETERS FOR THIS CATEGORY

L-202

AR302799

DRAKE CHEMICAL SITE - PHASE 111 RI SOLIDS - VOA (FS) & PHENOLS

SAMPLE NUMBER:	RT10-0608	RT10-1213	RT11-0102	RT11-0607	RT11-1213	RT12-0002
TRAFFIC REPORT NUMBER:	1-236	1,249	1,313	1,423	1,368	1,423
MOISTURE CORRECTION:						1,387
DILUTION FACTOR:	T10-B	T10-C	T11-A	T11-B	T11-C	T12-A
SAMPLE LOCATION:	DG/KG	DG/KG	06/KG	06/KG	06/KG	06/KG
UNITS:	11/22/87	11/21/87	11/21/87	11/21/87	11/21/87	11/21/87
DATE SAMPLED:						

*** VOLATILES ***

PP	CAS NO	COMPOUND	PP	CAS NO	COMPOUND	PP	CAS NO	COMPOUND
4V	71-43-2	BENZENE	<DL	<DL	<DL	16.99	<DL	<DL
H6V	108-88-3	TOLUENE	6.43	4	9.36	16.13	20	29.94
38V	100-41-4	ETHYLBENZENE	ND	<DL	<DL	3.7	27.08	3.1
7V	108-90-7	CHLOROBENZENE	12.09	6	23.59	40.84	43.5J	53.24
10V	107-06-2	1,2-DICHLOROETHANE	127J	18	4J	23.01	185	17.45
87V	79-01-6	TRICHLOROETHENE	ND	ND	ND	ND	ND	ND
23V	67-66-3	CHLOROFORM	ND	155	<DL	93.96	35.65	6.57

T-204

AR302800

DRAKE CHEMICAL SITE - PHASE III RI SOILS - VOA (ES) & PHENOLS

SAMPLE NUMBER:	DKT10-0608	DKT10-1213	DKT11-0102	DKT11-0607	DKT11-1213	DKT12-0002	DKT12-0002A
TRAFFIC REPORT NUMBER:	1,236	1,249	1,313	1,423	1,368	1,423	1,387
MOISTURE CORRECTION:							
DILUTION FACTOR:							
SAMPLE LOCATION:	T10-B	T11-C	T11-B	T11-C	T12-A	T12-A	T12-A
UNITS:	UG/KG						
DATE SAMPLED:	11/22/87	11/21/87	11/21/87	11/21/87	11/21/87	11/20/87	11/21/87

*** BASE/NEUTRALS ***

PP	CAS NO	COMPOUND
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27B 106-46-7 1,4-DICHLOROBENZENE

46.8	<DL	<DL	<DL	6.3, 1.4	<DL	ND
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AR302801

DRAKE CHEMICAL SITE - PHASE III RI SOILS - VOA (FS) & PHENOLS

SAMPLE NUMBER:	DCT10-0608	DCT10-1213	DCT11-0102	DCT11-0607	DCT11-1213	DCT12-0002	DCT12-0002A
TRAFFIC REPORT NUMBER:	1.236	1.249	1.313	1.423	1.368	1.423	1.387
MOISTURE CORRECTION:							
DILUTION FACTOR:							
SAMPLE LOCATION:	T10-B	T10-C	T11-A	T11-B	T11-C	T12-A	T12-A
UNITS:	UG/KG						
DATE SAMPLED:	11/22/87	11/21/87	11/21/87	11/21/87	11/21/87	11/20/87	11/21/87

*** ACIDS ***

PP	CAS NO	COMPOUND
65A	109-95-2	PHENOL
34A	105-67-9	2,4-DIMETHYLPHENOL
31A	120-33-2	2,4-DICHLOROPHENOL
59A	51-28-5	2,4-DINITROPHENOL

T - 206

AR302802

DRAKE CHEMICAL SITE - PHASE III RI SOILS - VOA (FS) & PHENOLS

SAMPLE NUMBER:	DT10-0608	DT10-1213	DT11-0102	DT11-0607	DT11-1213	DT11-00012	DT12-0002A
TRAFFIC REPORT NUMBER:	1.236	1.249	1.313	1.423	1.368	1.423	1.387
MOISTURE CORRECTION:							
DILUTION FACTOR:							
SAMPLE LOCATION:	T10-B	T10-C	T11-A	T11-B	T11-C	T12-A	
UNITS:	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG
DATE SAMPLED:	11/22/87	11/21/87	11/21/87	11/21/87	11/21/87	11/20/87	11/21/87

*** PESTICIDES ***

PP	CAS NO	COMPOUND
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NO PARAMETERS FOR THIS CATEGORY

AR302803

DRAKE CHEMICAL SITE - PHASE III RI SOILS - VOA (FS) & PHENOLS

SAMPLE NUMBER:	DKT10-0608	DKT10-1213	DKT11-0102	DKT11-0607	DKT11-1213	DKT12-0002	DKT12-0002A
TRAFFIC REPORT NUMBER:							
MOISTURE CORRECTION:							
DILUTION FACTOR:							
SAMPLE LOCATION:							
UNITS:	11/22/87	11/21/87	11/21/87	11/21/87	11/21/87	11/21/87	11/21/87
DATE SAMPLED:							

*** INORGANICS ***

IP	CAS NO	COMPOUND
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NO PARAMETERS FOR THIS CATEGORY

T-208

AR302804

DRAKE CHEMICAL SITE - PHASE 1 II RI SOILS - VOA (FS) & PHENOLS

SAMPLE NUMBER:	IKT10-0608	IKT10-1213	IKT11-0102	IKT11-0607	IKT11-1213	IKT12-0002	IKT12-0012A
TRAFFIC REPORT NUMBER:							
MOISTURE CORRECTION:							
DILUTION FACTOR:							
SAMPLE LOCATION:							
UNITS:							
DATE SAMPLED:	11/22/87	11/21/87	11/21/87	11/21/87	11/21/87	11/20/87	11/21/87

*** GEOREMICAL PARAMETERS ***

PP	CAS NO	COMPOUND
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NO PARAMETERS FOR THIS CATEGORY

DRAKE CHEMICAL SITE - PHASE III RI SOILS - VOA (FS) & PHENOLS

SAMPLE NUMBER:	BCT12-0910	BCT12-0910A	BCT12-1112	BCT12-1112A	BCT13-0102	BCT13-0704	BCT13-1213
TRAFFIC REPORT NUMBER:	1.832	1.698	1.236	1.240	1.359	1.618	1.263
MOISTURE CORRECTION:							
DILUTION FACTOR:	T12-C	T12-C	T12-C	T12-C	T13-A	T13-B	T13-C
SAMPLE LOCATION:	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG
UNITS:	11/21/87	11/21/87	11/21/87	11/21/87	11/19/87	11/19/87	11/19/87
DATE SAMPLED:							

*** VOLATILES ***

PP	CAS NO.	COMPOUND					
4V	71-43-2	BENZENE	R	<DL	<DL	<DL	5000J
86V	108-89-3	TOLUENE	R	R	3.1	ND	5,800J
38V	100-41-4	ETHYLBENZENE	R	R	3.6	ND	10,480J
7V	104-90-7	CHLOROBENZENE	R	R	36.0J	<DL	73,44J
10V	107-06-2	1,2-DICHLOROETHANE	R	R	29.0J	J, J	30,66J
H7V	79-01-6	TRICHLOROETHENE	R	ND	ND	ND	ND
23V	67-66-3	CHLOROFORM	R	ND	<DL	<DL	<DL

AR302806

DRAKE CHEMICAL SITE - PHASE III RI SOILS - VOA (FS) & PHENOLS

SAMPLE NUMBER:	BKT12-0910	BKT12-0910A	BKT12-1112	BKT12-1112A	BKT13-0102	BKT13-0708	BKT13-1213
TRAFFIC REPORT NUMBER:	1.832	1.698	1.236	1.240	1.359	1.618	1.263
MOISTURE CORRECTION:							
DILUTION FACTOR:	T12-C	T12-C	T12-C	T13-A	T13-B	T13-C	
SAMPLE LOCATION:	0G/KG	0G/KG	0G/KG	0G/KG	0G/KG	0G/KG	
UNITS:	11/21/87	11/21/H7	11/21/H7	11/21/H7	11/18/87	11/19/87	
DATE SAMPLED:							

*** BASE/NEUTRALS ***

PP	CAS NO	COMPOUND
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27B	106-46-7	1,4-DICHLOROBENZENE
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R	R	R	R
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160J	160L
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BRAKE CHEMICAL SITE - PHASE III RI SOILS - VOA (FS) & PHENOLS

SAMPLE NUMBER:	IR-T12-0910	IR-T12-0910A	IR-T12-11112	IR-T12-1112A	IR-T13-0102	IR-T13-0108	IR-T13-1213
TRAFFIC REPORT NUMBER:	1.632	1.698	1.236	1.240	1.359	1.618	1.263
MOISTURE CORRECTION:							
DILUTION FACTOR:	T12-C	T12-C	T12-C	T13-A	T13-B	T13-C	
SAMPLE LOCATION:	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	
UNITS:	11/21/87	11/21/87	11/21/87	11/21/87	11/19/87	11/19/87	11/19/87
DATE SAMPLED:							

*** ACIDS ***

PP	CAS NO	COMPOUND					
65A	108-95-2	PHENOL	ND	ND	ND	ND	ND
34A	106-57-9	2,4-DIMETHYLPHENOL	ND	ND	ND	ND	ND
JIA	120-33-2	2,4-DICHLOROPHENOL	ND	ND	ND	ND	ND
59A	51-28-5	2,4-DINITROPHENOL	ND	ND	ND	ND	ND

AR302808

H - 212

DRAKE CHEMICAL SITE - PHASE III RI SOILS - VOA (FS) & PHENOLS

SAMPLE NUMBER: IKT12-0910
 TRAFFIC REPORT NUMBER: 1-832
 MOISTURE CORRECTION: 1.698
 DILUTION FACTOR: 1.236
 SAMPLE LOCATION: T12-C
 UNITS: UG/KG
 DATE SAMPLED: 11/21/87

IKT12-0910A
 IKT12-0910A
 IKT12-1112
 IKT12-1112A
 IKT13-0102
 IKT13-0708

1.240
 1.359
 1.618
 1.263

T12-C
 T12-C
 T13-A
 T13-B

UG/KG
 UG/KG
 UG/KG
 UG/KG

11/21/87
 11/21/87
 11/19/87
 11/19/87

*** PESTICIDES ***

PP	CAS NO	COMPOUND
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NO PARAMETERS FOR THIS CATEGORY

T - 212

AR302809

DRAKE CHEMICAL SITE - PHASE III RI SOILS - VOA (FS) & PHENOLS

SAMPLE NUMBER: DCT12-0910 DCT12-0910A DCT12-1112 DCT12-1112A DCT13-0102 DCT13-0708 DCT13-1213

TRAFFIC REPORT NUMBER:

MOISTURE CORRECTION:

DILUTION FACTOR:

SAMPLE LOCATION:

UNITS:

DATE SAMPLED:

B-NX1

11/21/87 11/21/87 11/21/87 11/21/87 11/18/87 11/19/87

*** INORGANICS ***

PP CAS NO COMPOUND

NO PARAMETERS FOR THIS CATEGORY

T = 214

AR302810

DRAKE CHEMICAL SITE - PHASE III RI SOILS - VOA (FS) & PHENOLS

SAMPLE NUMBER:	ICIT12-0910	ICIT12-0910A	ICIT12-1112	ICIT12-1112A	ICIT13-0102	ICIT13-070H	ICIT13-1213
TRAFFIC REPORT NUMBER:							
MOISTURE CORRECTION:							
DILUTION FACTOR:							
SAMPLE LOCATION:							
UNITS:							
DATE SAMPLED:	11/21/87	11/21/87	11/21/87	11/21/87	11/19/87	11/19/87	11/19/87

*** GEOCHEMICAL PARAMETERS ***

PP	CAS NO	COMPOUND

NO PARAMETERS FOR THIS CATEGORY

E - 715

AR302811

DRAKE CHEMICAL SITE - PHASE III RI SOILS - VOA (FS) & PHENOLS

SAMPLE NUMBER: IKT14-0092
 TRAFFIC REPORT NUMBER: 1.085
 MOISTURE CORRECTION:
 DIATON FACTOR:
 SAMPLE LOCATION: T14-A
 UNITS: 0G/KG
 DATE SAMPLED: 11/22/87

IKT14-0509 IKT14-1314 IKT16-0001 IKT16-0810 IKT16-1213 IKT17-0102
 1.283 1.252 1.252 1.245 1.324 2.474
 T14-B T14-C T16-A T16-B T16-C T17-A
 0G/KG 0G/KG 0G/KG 0G/KG 0G/KG 0G/KG
 11/22/87 11/22/87 11/20/87 11/20/87 11/20/87 11/19/87

*** VOLATILES ***

PP	CAS NO	COMPOUND				
4V	71-43-2	BENZENE	<DL	10.04	7.55	<DL
AGV	108-88-3	TOLUENE	22.86	5.11	4.8	ND
38V	100-41-4	ETHYLBENZENE	3.6	1.8J	3.0	<DL
7V	108-90-7	CHLOROBENZENE	28.90	213J	38.28	ND
10V	107-06-2	1,2-DICHLOROETHANE	10.46	25.1	16.90	10.85
67V	75-01-6	TRICHLOROETHENE	ND	ND	15.54	128.0
23V	67-66-3	CHLOROFORM	13.50	<DL	ND	ND
				15.94	6.36	ND

DRAKE CHEMICAL SITE - PHASE III RI SOILS - VOA (FS) & PHENOLS

SAMPLE NUMBER:	DCT14-0002	DCT14-0009	DCT14-1314	DCT16-0001	WT16-0010	WT16-1213	DCT17-0102
TRAFFIC REPORT NUMBER:	1.085	1.283	1.252	1.252	1.245	1.324	2.474
MOISTURE CORRECTION:							
DILUTION FACTOR:							
SAMPLE LOCATION:	T14-A UG/KG 11/22/87	T14-B UG/KG 11/22/87	T14-C UG/KG 11/22/87	T16-A UG/KG 11/20/87	T16-B UG/KG 11/20/87	T16-C UG/KG 11/20/87	T17-A UG/KG 11/19/87
UNITS:							
DATE SAMPLED:							

*** BASE/NEUTRALS ***

PP	CAS NO	COMPOUND
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278	106-46-7	1,4-DICHLOROBENZENE
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<DL	<DL	7J	ND	28.83	ND	ND
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AR302813

H-217

DRAKE CHEMICAL SITE - PHASE III RI SOILS - VOA (FS) & PHENOLS

SAMPLE NUMBER:	WT14-0002	WT14-0109	WT14-1314	WT16-0001	WT16-0810	WT16-1213	WT17-0102
TRAFFIC REPORT NUMBER:	1.085	1.283	1.252	1.252	1.245	1.324	2.474
MOISTURE CORRECTION:							
DILUTION FACTOR:	T14-A	T14-B	T14-C	T16-A	T16-B	T16-C	T17-A
SAMPLE LOCATION:	UG/KG						
UNITS:	11/22/87	11/22/87	11/22/87	11/20/87	11/20/87	11/20/87	11/19/87
DATE SAMPLED:							

*** ACIDS ***

PP	CAS NO	COMPOUND					
65A	108-95-2	PHENOL	ND	ND	550	ND	ND
34A	105-67-9	2,4-DIMETHYLPHENOL	ND	B 76B	ND	ND	ND
31A	120-33-2	2,4-DICHLOROPHENOL	ND	ND	ND	ND	ND
59A	51-28-5	2,4-DINITROPHENOL	ND	ND	510	ND	ND

DRAKE CHEMICAL SITE - PHASE III RI SOILS - VOA (FS) & PHENOLS

SAMPLE NUMBER:	DCT14-00092	DCT14-0509	DCT14-1314	DCT16-0001	DCT16-0810	DCT16-1213	DCT17-0102
TRAFFIC REPORT NUMBER:	1.085	1.283	1.252	1.252	1.245	1.324	2.474
MOISTURE CORRECTION:							
DILUTION FACTOR:							
SAMPLE LOCATION:	T14-A	T14-B	T14-C	T16-A	T16-B	T16-C	T17-A
UNITS:	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG
DATE SAMPLED:	11/22/87	11/22/87	11/22/87	11/20/87	11/20/87	11/20/87	11/19/87

*** PESTICIDES ***

PP	CAS NO	COMPOUND
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NO PARAMETERS FOR THIS CATEGORY

DRAKE CHEMICAL SITE - PHASE 111 RI SOLIDS - VOA (FS) & PHENOLS

SAMPLE NUMBER:	DCT14-0002	DCT14-0509	DCT14-1314	DCT16-0001	DCT16-0810	DCT16-1213	DCT17-0102
TRAFFIC REPORT NUMBER:							
MOISTURE CORRECTION:							
DILUTION FACTOR:							
SAMPLE LOCATION:							
UNITS:							
DATE SAMPLED:	11/22/87	11/22/87	11/22/87	11/20/87	11/20/87	11/20/87	11/19/87

*** INORGANICS ***

PP	CAS NO	COMPOUND

NO PARAMETERS FOR THIS CATEGORY

DRAKE CHEMICAL SITE - PHASE III RI SOLIDS - VOA (FS) & PHENOLS

SAMPLE NUMBER:	BCT14-0002	BCT14-0509	BCT14-1314	BCT16-0001	BCT16-0810	BCT16-1213
TRAFFIC REPORT NUMBER:						
MOISTURE CORRECTION:						
DILUTION FACTOR:						
SAMPLE LOCATION:						
UNITS:	11/22/87	11/22/87	11/22/87	11/20/87	11/20/87	11/20/87
DATE SAMPLED:						

*** GEOCHEMICAL PARAMETERS ***

PP	CAS NO	COMPOUND
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NO PARAMETERS FOR THIS CATEGORY

T-221

AR302017

DRAKE CHEMICAL SITE - PHASE III RI SOILS - VOA (FS) & PHENOLS

SAMPLE NUMBER: DCT17-0708
 TRAFFIC REPORT NUMBER: 1.226
 MOISTURE CORRECTION:
 DILUTION FACTOR:
 SAMPLE LOCATION: T17-B
 UNITS: ug/kg
 DATE SAMPLED: 11/19/87

SAMPLE NUMBER:	DCT17-0708	DCT17-1112	DCT20-0102	DCT20-0102A	DCT20-0708	DCT20-1213
TRAFFIC REPORT NUMBER:	1.226	1.215	1.856		2.046	1.318
MOISTURE CORRECTION:						
DILUTION FACTOR:						
SAMPLE LOCATION:	T17-C	T20-A		T20-B	T20-C	
UNITS:	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
DATE SAMPLED:	11/19/87	11/20/87	11/20/87	11/20/87	11/20/87	11/20/87

*** VOLATILES ***

PP	CAS NO	COMPOUND					
4V	71-43-2	MENZENE	3.5J	<DL	<DL	<DL	<DL
86V	108-88-3	TOLUENE	1.7J	2.4J	11.370J	ND	39J
38V	100-41-4	ETHYLBENZENE	ND	<DL	6.229	ND	89J
7V	108-90-7	CHLOROBENZENE	10.622	11.855J	10.553J	ND	33J
10V	107-06-2	1,2-DICHLOROETHANE	25.784J	16.523J	3.8J	ND	45.106J
87V	79-01-6	TRICHLOROETHENE	ND	ND	ND	ND	15.47J
23V	67-66-3	CHLOROFORM	ND	7.894	<DL	ND	<DL
					22.0	ND	12.844

AR302818

T - 222

WAKE CHEMICAL SITE - PHASE III RI SOILS - VOA (FS) & PHENOLS

SAMPLE NUMBER:	WT17-0708	WT17-1112	WT20-0102	WT20-0102A	WT20-0708	WT20-1213
TRAFFIC REPORT NUMBER:	1.226	1.215	1.856		2.046	1.318
MOISTURE CORRECTION:						
DILUTION FACTOR:						
SAMPLE LOCATION:	T17-B	T17-C	T20-A		T20-B	T20-C
UNITS:	UG/KG	UG/KG	UG/KG		UG/KG	UG/KG
DATE SAMPLED:	11/19/87	11/19/87	11/20/87	11/20/87	11/20/87	11/20/87

*** BASE/NEUTRALS ***

PP	CAS NO	COMPOUND	<DL	<DL	ND	1800	7,306J	NO
27B	106-46-7	1,4-DICHLOROBENZENE						

DRAKE CHEMICAL SITE - PHASE III RI SOILS - VOA (FS) & PHENOLS

SAMPLE NUMBER:	DCT17-0708	DCT17-1112	DCT20-0102	DCT20-0102A	DCT20-0708	I&T20-1213	I&T20-1214
TRAFFIC REPORT NUMBER:	1-226	1-215	1-856		2.046	1.31H	
MOISTURE CORRECTION:							
DILUTION FACTOR:	T17-B	T17-C	T20-A	T20-B	T20-C		
SAMPLE LOCATION:	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG		
UNITS:	11/19/H7	11/19/H7	11/20/H7	11/20/H7	11/20/H7	11/20/87	UG/KG
DATE SAMPLED:							11/20/87

*** ACIDS ***

PP	CAS NO	COMPOUND
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65A	108-95-2	PHENOL	ND	ND	ND	ND
34A	105-67-9	2,4-DIMETHYLPHENOL	B 180H	B 120H	B 160H	B 62B
31A	120-33-2	2,4-DICHLOROPHENOL	ND	ND	ND	ND
59A	51-26-5	2,4-DINITROPHENOL	ND	ND	2300	ND

AR302820

I - 224

DRAKE CHEMICAL SITE - PHASE III RI SOILS - VOA (FS) & PHENOLS

SAMPLE NUMBER:	BCT17-0708	BCT17-1112	BCT20-0102	BCT20-0102A	BCT20-0708	BCT20-1213
TRAFFIC REPORT NUMBER:	1.226	1.215	1.856		2.046	1.31H
MOISTURE CORRECTION:						
DILUTION FACTOR:						
SAMPLE LOCATION:	T17-B	T17-C	T20-A	T20-B	T20-C	
UNITS:	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	
DATE SAMPLED:	11/19/87	11/19/87	11/20/87	11/20/87	11/20/87	11/20/87

*** PESTICIDES ***

PP CAS NO COMPOUND

NO PARAMETERS FOR THIS CATEGORY

AR302821

DRAKE CHEMICAL SITE - PHASE III RI SOILS - VOA (FS) & PHENOLS

SAMPLE NUMBER: DKT17-0708 DKT17-1112 DKT20-0102 DKT20-0102A DKT20-0708 DKT20-1214 DKT20-1213A

TRAFFIC RECENT NUMBER:

MOISTURE CORRECTION:

DIILUTION FACTOR:

SAMPLE LOCATION:

UNITS:

DATE SAMPLED:

11/19/87 11/19/87 11/20/87 11/20/87 11/20/87 11/20/87

*** INORGANICS ***

PP CAS NO COMPOUND

NO PARAMETERS FOR THIS CATEGORY

H-226

AR302822

DRAKE CHEMICAL SITE - PHASE III RI SOILS - VOA (FS) & PHENOLS

SAMPLE NUMBER:	DCT26-0405	DCT26-0405A	DCT26-1213	DCT27-0002	DCT27-0506	DKT27-12135
TRAFFIC REPORT NUMBER:						
MOISTURE CORRECTION:						
DILUTION FACTOR:						
SAMPLE LOCATION:						
UNITS:						
DATE SAMPLED:	11/06/87	11/06/87	11/06/87	11/05/87	11/05/87	11/06/87

*** INORGANICS ***

PP	CAS NO	COMPOUND
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NO PARAMETERS FOR THIS CATEGORY

DRAKE CHEMICAL SITE - PHASE III RI SOILS - VOA (FS) & PHENOLS

SAMPLE NUMBER:	IKT26-0405	IKT26-0405A	IKT26-1213	IKT26-1213A	IKT27-0002	IKT27-0506	IKT27-1213b
TRAFFIC REPORT NUMBER:							
MOISTURE CORRECTION:							
DILUTION FACTOR:							
SAMPLE LOCATION:							
UNITS:							
DATE SAMPLED:	11/06/87	11/06/87	11/06/87	11/06/87	11/05/87	11/05/87	11/06/87

*** GEOCHEMICAL PARAMETERS ***

PP	CAS NO	COMPOUND
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- NO PARAMETERS FOR THIS CATEGORY

DRAKE CHEMICAL SITE - PHASE III RI SOLIDS - VOA (FS) & PHENOLS

SAMPLE NUMBER: DCT2B-0002
 TRAFFIC REPORT NUMBER: 1.230
 MOISTURE CORRECTION:
 DILUTION FACTOR:
 SAMPLE LOCATION:
 UNITS:
 DATE SAMPLED:

	DCT2B-0506	DCT2B-12125	DCT30-0102	DCT30-0708	DCT30-1112	DCT31-0017
T2B-A	1.997	1.255	1.150	1.258	1.243	1.646
UG/KG	T2B-B	T2B-C	T30-A	T30-B	T30-C	
11/10/87	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	
11/10/87	11/10/87	11/10/87	11/11/87	11/11/87	11/11/87	11/03/87

*** VOLATILES ***

PP	CAS NO	COMPOUND
4V	71-43-2	BENZENE
86V	108-86-3	TOULENE
38V	109-41-4	ETHYL BENZENE
7V	108-90-7	CHLOROBENZENE
10V	107-06-2	1,2-DICHLOROETHANE
87V	79-01-6	TRICHLOROETHENE
23V	67-66-3	CHLOROFORM

	<DL	2.0	<DL	ND	<DL	<DL
	22.67	3.5	<DL	22.63	2J	19.53
	2.9	<DL	ND	4.2	4J	ND
	40.62	13.60	6.49	51.73	25.4J	24.72
	8.24	5.95	4.0	6.11	10.37	14.93
	ND	ND	ND	ND	6.98	ND
	10.07	44.75	7.96	5.70	ND	ND

H-229

AR302825

DRAKE CHEMICAL SITE - PHASE III RI

SOILS - VOA (FS) & PHENOLS

SAMPLE NUMBER:	DCT2B-0002	DCT2B-0506	DCT2B-12125	DCT30-0102	DCT30-0708	DCT30-1112	DCT31-0017
TRAFFIC REPORT NUMBER:	1.230	1.997	1.255	1.150	1.258	1.243	1.646
MOISTURE CORRECTION:							
DIUCTION FACTOR:	T2B-A 0G/KG	T2B-B 0G/KG	T2B-C 0G/KG	T30-A 0G/KG	T30-B 0G/KG	T30-C 0G/KG	T31-A 0G/KG
SAMPLE LOCATION:							
UNITS:	11/10/87	11/10/87	11/10/87	11/11/87	11/11/87	11/11/87	11/03/87
DATE SAMPLED:							

*** BASE/NEUTRALS ***

PP	CAS NO	COMPOUND
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27B	106-46-7	1,4-DICHLOROBENZENE
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<DL	20.47	13.76	6.1	91	8.43	<DL
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AR302826

INAKE CHEMICAL SITE - PHASE III RI SOILS - VOA (FS) & PHENOLS

SAMPLE NUMBER:	DCT28-0002	DCT28-0506	DCT28-12125	DCT30-0102	DCT30-0708	DCT30-1112	DCT31-0017
TRAFFIC REPORT NUMBER:	1.230	1.997	1.255	1.150	1.258	1.243	1.646
MOISTURE CORRECTION:							
DILUTION FACTOR:	T28-A	T28-B	T28-C	T30-A	T30-B	T30-C	T31-A
SAMPLE LOCATION:	0G/KG	0G/KG	0G/KG	UG/KG	UG/KG	UG/KG	UG/KG
UNITS:	11/10/87	11/10/87	11/10/87	11/11/87	11/11/87	11/11/87	11/03/87
DATE SAMPLED:							

*** ACIDS ***

PP	CAS NO	COMPOUND
65A	108-95-2	PHENOL
34A	105-67-9	2,4-DIMETHYLPHENOL
31A	120-33-2	2,4-DICHLOROPHENOL
59A	51-28-5	2,4-DINITROPHENOL

ND	ND	65	ND	ND
ND	ND	78	ND	ND
ND	ND	ND	ND	ND
ND	ND	ND	90	ND
ND	ND	370	920	ND

AR302827

DRAKE CHEMICAL SITE - PHASE III RI SOILS - VOA (FS) & PHENOIS

SAMPLE NUMBER: DCT28-0002
 TRAFFIC REPORT NUMBER:
 MOISTURE CORRECTION:
 DILUTION FACTOR:
 SAMPLE LOCATION:
 UNITS:
 DATE SAMPLED:

	DCT28-0506	DCT28-12125	DCT30-0102	DCT30-0708	DCT30-1112	DCT31-0017
1.230	1.997	1.255	1.150	1.258	1.241	1.646
T28-A	T28-B	T28-C	T30-A	T30-B	T30-C	T31-A
UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG
11/10/87	11/10/87	11/10/87	11/11/87	11/11/87	11/11/87	11/03/87

*** PESTICIDES ***

PP CAS NO COMPOUND

NO PARAMETERS FOR THIS CATEGORY

T- 232

AR302828

BRAKE CHEMICAL SITE - PHASE III RI SOILS - VOA (FS) & PHENOLS

SAMPLE NUMBER:	IKT2B-00002	IKT2B-0506	IKT2B-12125	IKT30-0102	IKT30-070H	IKT30-1112	IKT31-0017
TRAFFIC REPORT NUMBER:							
MOISTURE CORRECTION:							
DILUTION FACTOR:							
SAMPLE LOCATION:							
UNITS:							
DATE SAMPLED:	11/10/87	11/10/87	11/10/87	11/11/87	11/11/87	11/11/87	11/03/87

*** INORGANICS ***

PP	CAS NO	COMPOUND
-	-	-

NO PARAMETERS FOR THIS CATEGORY

DRAKE CHEMICAL SITE - PHASE III RI SOILS - VOA (FS) & PHENOLS

SAMPLE NUMBER:	DCT28-0002	DCT28-0506	DCT28-12125	DCT30-0102	DCT30-0708	DCT30-1112	DCT31-0017
TRAFFIC REPORT NUMBER:							
MOISTURE CORRECTION:							
DILUTION FACTOR:							
SAMPLE LOCATION:							
UNITS:							
DATE SAMPLED:	11/10/87	11/10/87	11/10/87	11/11/87	11/11/87	11/11/87	11/03/87

*** GEOCHEMICAL PARAMETERS ***

PP	CAS NO	COMPOUND

NO PARAMETERS FOR THIS CATEGORY

T - 234

AR302830

DRAKE CHEMICAL SITE - PHASE III RI SOILS - VOA (FS) & PHENOLS

SAMPLE NUMBER: DKT31-0555
 TRAFFIC REPORT NUMBER:
 MOISTURE CORRECTION:
 DILUTION FACTOR:
 SAMPLE LOCATION:
 UNITS:
 DATE SAMPLED:

DKT31-0885
 2.017
 T31-B
 UG/KG
 11/03/87

DKT32-0002
 2.195
 T32-A
 UG/KG
 11/03/87

DKT32-4505
 2.205
 T32-B
 UG/KG
 11/05/87

DKT32-5506
 2.684
 T32-C
 UG/KG
 11/05/87

DKT33-0002
 3.323
 T33-A
 UG/KG
 11/05/87

DKT33-0900
 2.478
 T33-C
 UG/KG
 11/11/87

*** VOLATILES ***

PP	CAS NO	COMPOUND
4V	71-43-2	BENZENE
86V	108-88-3	TOLUENE
38V	100-41-4	ETHYLBENZENE
7V	108-90-7	CHLOROBENZENE
10V	107-06-2	1,2-DICHLOROETHANE
87V	79-01-6	TRICHLOROETHENE
23V	67-66-3	CHLOROFORM

	ND	ND	<DL	<DL	<DL	<DL
	<DL	20.18	<DL	R	R	15.53
	34.16J	35J	<DL	R	R	6.29
	368.85J	20200J	<DL	R	R	12.1J
	21.27	36.55	4.97	R	R	42.00
	ND	ND	ND	R	R	30.10
	49.26	24.25	2J	R	R	12.57
				ND	ND	9.96
				ND	ND	ND

T - 235

AR302831

DRAKE CHEMICAL SITE - PHASE III RI SOILS - VOA (FS) & PHENOLS

SAMPLE NUMBER:	BKT31-0555	BKT31-0885	BKT32-0002	BKT32-4505	BKT32-5506	BKT33-0002	BKT33-0910
TRAFFIC REPORT NUMBER:							
MOISTURE CORRECTION:	2.017	2.195	2.205	2.684	3.323	2.478	1.303
DILUTION FACTOR:							
SAMPLE LOCATION:	T31-B	T31-B	T32-A	T32-B	T33-A		
UNITS:	UG/KG						
DATE SAMPLED:	11/03/87	11/03/87	11/05/87	11/05/87	11/05/87	11/11/87	11/11/87

*** BASE/NEUTRALS ***

PP	CAS NO	COMPOUND
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276	106-46-7	1,4-DICHLOROBENZENE
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4104	57.82	ND	R	R	20.7
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H - 236

AR302832

DRAKE CHEMICAL SITE - PHASE III RI SOILS - VOA (FS) & PHENOLS

SAMPLE NUMBER:	BKT31-0555	DCT31-0885	BKT32-00092	BKT32-4505	BKT32-5506	BKT33-00002	BKT33-09910
TRAFFIC REPORT NUMBER:	2.017	2.195	2.205	2.684	3.323	2.478	1.303
MOISTURE CORRECTION:							
DILUTION FACTOR:							
SAMPLE LOCATION:	T31-B UG/KG 11/03/87	T32-A UG/KG 11/03/87	T32-B UG/KG 11/05/87	T32-C UG/KG 11/05/87	T33-A UG/KG 11/11/87		
UNITS:							
DATE SAMPLED:							

*** ACIDS ***

PP	CAS NO	COMPOUND
65A	108-95-2	PHENOL
34A	105-67-9	2,4-DIMETHYLPHENOL
31A	120-33-2	2,4-DICHLOROPHENOL
59A	51-28-5	2,4-DINITROPHENOL

		B 170B	ND	140	B 480B	ND	ND	R 210B
		ND	ND	ND	ND	ND	ND	ND
		ND	ND	ND	ND	ND	ND	ND
		ND	ND	140				

DRAKE CHEMICAL SITE - PHASE III RI SOILS - VOA (FS) & PHENOLS

SAMPLE NUMBER:	BCT31-0555	BCT31-0885	DCT32-0002	DCT32-4505	WT32-5506	DCT33-0002	DCT33-0910
TRAFFIC REPORT NUMBER:	2.017	2.195	2.205	2.684	3.323	2.478	1.303
MOISTURE CORRECTION:							
DILUTION FACTOR:	T31-B	T32-A	T32-B	T32-B	T33-A	T33-C	
SAMPLE LOCATION:	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG
UNITS:	11/03/87	11/03/87	11/05/87	11/05/87	11/05/87	11/11/87	11/11/87
DATE SAMPLED:							

*** PESTICIDES ***

PP	CAS NO	COMPOUND

NO PARAMETERS FOR THIS CATEGORY

H - 238

AR302834

DRAKE CHEMICAL SITE - PHASE I RI SOILS - VOA (FS) & PHENOLS

SAMPLE NUMBER:	DTI1-0565	DTI1-0885	DTI2-0002	DTI2-4505	DTI2-5506	DTI3-0002	DTI3-0910
TRAFFIC REPORT NUMBER:							
MOISTURE CORRECTION:							
DILUTION FACTOR:							
SAMPLE LOCATION:							
UNITS:							
DATE SAMPLED:	11/03/87	11/03/87	11/05/87	11/05/87	11/05/87	11/11/87	11/11/87

*** INORGANICS ***

PP	GAS NO	COMPOUND
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NO PARAMETERS FOR THIS CATEGORY

AR302835

H - 239

DRAKE CHEMICAL SITE - PHASF III RI SOILS - VOA (FS) & PHENOLS

SAMPLE NUMBER:	DCT31-0555	DCT31-0885	DCT32-0002	DCT32-4505	DCT32-5506	DCT33-0002	DCT33-0910
TRAFFIC REPORT NUMBER:							
MOISTURE CORRECTION:							
DILUTION FACTOR:							
SAMPLE LOCATION:							
UNITS:							
DATE SAMPLED:	11/01/87	11/03/87	11/05/87	11/05/87	11/11/87	11/11/87	11/11/87

*** GEOCHEMICAL PARAMETERS ***

PP	CAS NO	COMPOUND
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NO PARAMETERS FOR THIS CATEGORY

AR302836

H-240

DRAKE CHEMICAL SITE - PHASE III RI SOILS - VOA (FS) & PHENOLS

SAMPLE NUMBER:
TRAFFIC REPORT NUMBER:
MOISTURE CORRECTION:
DILUTION FACTOR:
SAMPLE LOCATION:
UNITS:
DATE SAMPLED:

DCT33-1213	BCT34-0002	BCT34-0009	BCT34-1213	BCT37-0002	BCT37-0506	BCT37-1213
1.287	1.329	1.220	1.243	1.226	1.238	1.350
T33-C UG/KG 11/11/87	T34-A UG/KG 11/23/87	T34-B UG/KG 11/23/87	T34-C UG/KG 11/23/87	T37-A UG/KG 11/12/87	T37-B UG/KG 11/12/87	T37-C UG/KG 11/12/87

*** VOLATILES ***

PP	CAS NO	COMPOUND				
4V	71-43-2	BENZENE	<DL	<DL	<DL	<DL
86V	108-99-3	TOULUENE	9.79	14.283J	5.707	7.444J
36V	100-41-4	ETHYLBENZENE	97J	<DL	<DL	48.179J
7V	108-90-7	CHLORBENZENE	57.09	19.321	32.289	6.932J
10V	107-06-2	1,2-DICHLOROETHANE	22.76	17.491	5.704J	14.386J
87V	79-01-6	TRICHLOROETHENE	ND	<DL	<DL	26J
23V	67-66-3	CHLORFORM	ND	13.743	26.152	45.397J
						ND
						ND
						<DL

H-241

AR302837

DRAKE CHEMICAL SITE - PHASE III RI SOILS - VOA (FS) & PHENOLS

SAMPLE NUMBER:	DCT33-1213	DCT34-0002	DCT34-0809	DCT34-1213	DCT37-0002	DCT37-0506	DCT37-1213
TRAFFIC REPORT NUMBER:							
MOISTURE CORRECTION:	1.247	1.329	1.220	1.243	1.226	1.238	1.350
DILUTION FACTOR:							
SAMPLE LOCATION:	T33-C UG/KG 11/11/87	T34-A UG/KG 11/23/87	T34-B UG/KG 11/23/87	T34-C UG/KG 11/23/87	T37-A UG/KG 11/12/87	T37-B UG/KG 11/12/87	T37-C UG/KG 11/12/87
UNITS:							
DATE SAMPLED:							

*** BASE/NEUTRALS ***

PP	CAS NO	COMPOUND
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27B	106-46-7	1,4-DICHLOROBENZENE
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* ND 9.22 ND 4.9J

IT - 242

AR302838

DRAKE CHEMICAL SITE - PHASE III RI SOILS - VOA (FS) & PHENOLS

SAMPLE NUMBER:

TRAFFIC REPORT NUMBER:

MOISTURE CORRECTION

DILUTION FACTOR:

COMPLETION.

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DATE S'AMBI ED:

MATE SAMUELLSEN

ACIDS *

COMPOUND

31A	103-67-9	2,4-DIMETHYLPHENOL
31A	120-33-2	2,4-DICHLOROPHENOL
59A	51-28-5	2,4-DINITROPHENOL

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	ND	ND	ND	ND	ND	ND
140	100	ND	ND	ND	ND	ND
360	ND	ND	ND	ND	ND	ND
250	380	ND	ND	ND	ND	ND

H-243

AR302839

DRAKE CHEMICAL SITE - PHASE III RI SOILS - VOA (FS) & PHENOLS

SAMPLE NUMBER:	DCT34-1213	DCT34-0002	DCT34-0809	DCT34-1213	DCT37-0002	DCT37-0506	DCT37-1203
TRAFFIC REPORT NUMBER:	1.287	1.329	1.220	1.243	1.226	1.238	1.350
MOISTURE CORRECTION:							
DILUTION FACTOR:	T34-C	T34-A	T34-B	T34-C	T37-B	T37-C	
SAMPLE LOCATION:	0G/KG						
UNITS:	11/11/87	11/23/87	11/23/87	11/23/87	11/12/87	11/12/87	11/12/87
DATE SAMPLED:							

*** PESTICIDES ***

PP	CAS NO	COMPOUND
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NO PARAMETERS FOR THIS CATEGORY

H-244

AR302840

DRAKE CHEMICAL SITE - PHASE III RI SOILS - VOA (FS) & PHENOLS

SAMPLE NUMBER:	DKT33-1213	DKT34-0002	DKT34-0809	DKT34-1213	DKT37-0002	DKT37-0506	DKT37-1213
TRAFFIC REPORT NUMBER:							
MOISTURE CORRECTION:							
DILUTION FACTOR:							
SAMPLE LOCATION:							
UNITS:	11/11/87	11/23/87	11/23/87	11/23/87	11/12/87	11/12/87	11/12/87
DATE SAMPLED:							

*** INORGANICS ***

IP	CAS NO	COMPOUND
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NO PARAMETERS FOR THIS CATEGORY

DRAKE CHEMICAL SITE - PHASE III RI SOILS - VOL (FS) & PHENOLS

SAMPLE NUMBER:	W.T.37-1213	W.T.34-0002	W.T.34-0009	W.T.34-1213	W.T.37-0002	W.T.37-0506	W.T.37-1213
TRAFFIC REPORT NUMBER:							
MOISTURE CORRECTION:							
DILUTION FACTOR:							
SAMPLE LOCATION:							
UNITS:							
DATE SAMPLED:	11/11/87	11/21/87	11/23/87	11/23/87	11/12/87	11/12/87	11/12/87

*** GEOCHEMICAL PARAMETERS ***

PP CAS NO COMPOUND

NO PARAMETERS FOR THIS CATEGORY

H-246.

AR302842

DRAKE CHEMICAL SITE - PHASE III RI SOILS - VOA (FS) & PHENOLS

SAMPLE NUMBER:	BCT38-0002	BCT38-0405	BCT38-1213	BCT39-0002	BCT39-0607	BCT39-1213	BCT40-0002
TRAFFIC REPORT NUMBER:							
MOISTURE CORRECTION:	2.442	1.882	1.351	1.264	1.435	1.234	1.151
DILUTION FACTOR:							
SAMPLE LOCATION:	T38-A UG/KG	T38-B UG/KG	T38-C UG/KG	T39-A UG/KG	T39-B UG/KG	T39-C UG/KG	T40-A UG/KG
UNITS:	11/06/87	11/06/87	11/06/87	11/23/87	11/23/87	11/23/87	11/23/87
DATE SAMPLED:							

*** VOLATILES ***

PP	CAS NO	COMPOUND
4V	71-43-2	BENZENE
B6V	108-88-3	TOLUENE
3BV	100-41-4	ETHYLBENZENE
7V	108-90-7	CHLOROBENZENE
10V	107-06-2	1,2-DICHLOROETHANE
87V	79-01-6	TRICHLOROETHENE
23V	67-66-3	CHLOROFORM

	R	<DL	<DL	<DL	<DL	<DL	<DL
	R	24.96	40.20	30.43	1.6	3.3	
	R	ND	11.09	14.47	ND	<DL	
	R	<DL	194.0	73.1	1.9	3.0	
	R	<DL	15.2	19.92	ND	3.4	
	R	ND	ND	ND	ND	ND	
	R	<DL	7.80	<DL	<DL	<DL	

AR302843

T-247

DRAKE CHEMICAL SITE - PHASE III RI SOILS - VOA (FS) & PHENOLS

SAMPLE NUMBER:	DCT38-0002	DCT38-0405	DCT38-1213	DCT39-0002	DCT39-0607	DCT39-1213	DR T40-0002
TRAFFIC REPORT NUMBER:							
MOISTURE CORRECTION:	2.442	1.882	1.351	1.264	1.435	1.234	1.151
DILUTION FACTOR:	T38-A UG/KG 11/06/87	T38-B UG/KG 11/06/87	T38-C UG/KG 11/06/87	T39-A UG/KG 11/23/87	T39-B UG/KG 11/23/87	T39-C UG/KG 11/23/87	T40-A UG/KG 11/23/87
SAMPLE LOCATION:							
UNITS:							
DATE SAMPLED:							

*** BASE/NEUTRALS ***

PP	CAS NO	COMPUND
278	106-46-7	1,4-DICHLOROBENZENE
		<DL.
		R
		1550J
		44J
		63
		<DL.
		ND

AR302844

H-248

DRAKE CHEMICAL SITE - PHASE III RI SOILS - VOA (FS) & PHENOLS

SAMPLE NUMBER:	DK-T38-0002	DK-T38-0405	DK-T38-1213	DK-T39-0002	DK-T39-0607	DK-T39-1213
TRAFFIC REPORT NUMBER:	2-442	1-882	1-351	1-264	1-435	1-214
MOISTURE CORRECTION:						1-151
DILUTION FACTOR:	T38-A	T38-B	T38-C	T39-A	T39-B	T39-C
SAMPLE LOCATION:	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG
UNITS:	11/06/87	11/06/87	11/06/87	11/23/87	11/23/87	11/23/87
DATE SAMPLED:						

*** ACIDS ***

PP	CAS NO	COMPOUND				
65A	108-95-2	PHENOL	ND	ND	ND	ND
34A	105-67-9	2,4-DIMETHYLPHENOL	ND	650	150	ND
31A	120-33-2	2,4-DICHLOROPHENOL	ND	ND	ND	ND
59A	51-28-5	2,4-DINITROPHENOL	ND	1000	76	ND

H-249

AR302845

DRAKE CHEMICAL SITE - PHASE III RI SOILS - VOA (FS) & PHENOLS

SAMPLE NUMBER:	DT38-0002	DT38-0405	DT38-1213	DT39-0002	DT39-0607	DT39-1213	DT40-0002
TRAFFIC REPORT NUMBER:							
MOISTURE CORRECTION:	2.442	1.482	1.351	1.264	1.435	1.234	1.151
DILUTION FACTOR:	T38-A 0G/KG	T38-B 1G/KG	T38-C 0G/KG	T39-A 0G/KG	T39-C 0G/KG	T39-C 0G/KG	T40-A 0G/KG
SAMPLE LOCATION:							
UNITS:	11/06/87	11/06/87	11/06/87	11/23/87	11/23/87	11/23/87	11/23/87
DATE SAMPLED:							

*** PESTICIDES ***

IP	CAS NO	COMPOUND

NO PARAMETERS FOR THIS CATEGORY

AR302846

DRAKE CHEMICAL SITE - PHASE III RI SOILS - VOA (FS) & PHENOLS

SAMPLE NUMBER: IXT38-0002 TRAFFIC REPORT NUMBER:

MOISTURE CORRECTION:

DILUTION FACTOR:

SAMPLE LOCATION:

UNITS:

DATE SAMPLED:

IXT38-0405

IXT38-1213

IXT39-0002

IXT39-0607

IXT39-1213

IXT40-0002

11/06/87

11/06/87

11/06/87

11/23/87

11/23/87

11/23/87

*** INORGANICS ***

PP CAS NO COMPOUND

NO PARAMETERS FOR THIS CATEGORY

AR302847

DRAKE CHEMICAL SITE - PHASE III RI SOILS - VOA (FS) & PHENOLS

SAMPLE NUMBER:	DCT38-0002	DCT38-0405	DCT38-1213	DCT39-0002	DCT39-0607	DCT39-1213	DR-140-0002
TRAFFIC REPORT NUMBER:							
MOISTURE CORRECTION:							
SAMPLE LOCATION:							
UNITS:	11/06/87	11/06/87	11/06/87	11/23/87	11/23/87	11/23/87	11/23/87
DATE SAMPLED:							

*** GEOCHEMICAL PARAMETERS ***

PP	CAS NO	COMPOUND
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NO PARAMETERS FOR THIS CATEGORY

11-2-87-

AR302848

DRAKE CHEMICAL SITE - PHASE III RI SOILS - VOA (FS) & PHENOLS

SAMPLE NUMBER:	WT40-0809	TRAFFIC REPORT NUMBER:	WT40-1213	MOISTURE CORRECTION:	RCT44-0002	DILUTION FACTOR:	RCT44-0506	DATE SAMPLED:	RCT44-1112	TEST NUMBER:	RCT44-0002	TEST NUMBER:	RCT44-1213
UNITS:	1.238	UNITS:	1.227	UNITS:	1.245	UNITS:	1.381	UNITS:	1.272	UNITS:	1.349	UNITS:	1.258
SAMPLE LOCATION:	T40-B	SAMPLE LOCATION:	T40-C	SAMPLE LOCATION:	T44-A	SAMPLE LOCATION:	T44-B	SAMPLE LOCATION:	T44-C	SAMPLE LOCATION:	T45-A	SAMPLE LOCATION:	T45-C
UNITS:	UG/KG	UNITS:	UG/KG	UNITS:	UG/KG	UNITS:	UG/KG	UNITS:	UG/KG	UNITS:	UG/KG	UNITS:	UG/KG
DATE SAMPLED:	11/23/87	DATE SAMPLED:	11/23/87	DATE SAMPLED:	11/24/87	DATE SAMPLED:	11/24/87	DATE SAMPLED:	11/24/87	DATE SAMPLED:	11/24/87	DATE SAMPLED:	11/24/87

*** VOLATILES ***

DP	CAS NO	COMPOUND
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AR302849

H-753

BRAKE CHEMICAL SITE - PHASE III RI SOILS - VOA (FS) & PHENOLS

SAMPLE NUMBER:	IRCT40-0809	IRCT40-1213	IRCT44-0002	IRCT44-0506	IRCT44-1112	IRCT45-0002	IRCT45-1213
TRAFFIC REPORT NUMBER:							
MOISTURE CORRECTION:	1.238	1.227	1.245	1.381	1.272	1.349	1.258
DILUTION FACTOR:							
SAMPLE LOCATION:	T40-H	T40-C	T44-A	T44-B	T44-C	T45-A	T45-C
UNITS:	UG/KG						
DATE SAMPLED:	11/23/87	11/23/87	11/24/87	11/24/87	11/24/87	11/24/87	11/24/87

*** BASE/NEUTRALS ***

PP	CAS NO	COMPOUND
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27H	106-46-7	1,4-DICHLOROBENZENE
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<DL.	<DL.	<DL.	ND	ND
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AR302850

DRAKE CHEMICAL SITE - PHASE III RI SOILS - VOA (FS) & PHENOLS

SAMPLE NUMBER:	DCT40-0809	DCT40-1213	DCT44-0002	DCT44-0506	DCT44-1112	DCT45-0002	DCT45-1213
TRAFFIC REPORT NUMBER:	1.238	1.227	1.245	1.381	1.272	1.349	1.258
MOISTURE CORRECTION:	T40-B	T40-C	T44-A	T44-B	T44-C	T45-A	T45-C
DILUTION FACTOR:	UG/KG						
SAMPLE LOCATION:	11/23/87	11/23/87	11/24/87	11/24/87	11/24/87	11/24/87	11/24/87
UNITS:							
DATE SAMPLED:							

*** ACIDS ***

PP	CAS NO	COMPOUND					
65A	108-95-2	PHENOL	ND	ND	ND	ND	ND
34A	105-67-9	2,4-DIMETHYLPHENOL	ND	71	ND	120	190
31A	120-33-2	2,4-DICHLOROPHENOL	ND	ND	ND	ND	ND
59A	51-28-5	2,4-DINITROPHENOL	ND	ND	ND	ND	ND

AR302851

H-255

DRAKE CHEMICAL SITE - PHASE III RI SOLIDS - VOA (FS) & PHENOLS

SAMPLE NUMBER:	DCT40-0809	DCT40-1213	DCT44-0002	DCT44-0506	DCT44-1112	DCT45-0002	DCT45-1213
TRAFFIC REPORT NUMBER:	1.238	1.227	1.245	1.381	1.272	1.349	1.258
MOISTURE CORRECTION:							
DILUTION FACTOR:							
SAMPLE LOCATION:	T40-B	T40-C	T44-A	T44-B	T44-C	T45-A	T45-C
UNITS:	UG/KG						
DATE SAMPLED:	11/23/87	11/23/87	11/24/87	11/24/87	11/24/87	11/24/87	11/24/87

*** PESTICIDES ***

PP	CAS NO	COMPOUND
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NO PARAMETERS FOR THIS CATEGORY

AR302852

T-256

DRAKE CHEMICAL SITE - PHASE III RI SOILS - VOL (FS) & PHENOLS

SAMPLE NUMBER:	BKT40-0809	BKT40-1213	BKT44-0002	BKT44-0506	BKT44-1112	BKT45-0002
TRAFFIC REPORT NUMBER:						BKT45-1213
MOISTURE CORRECTION:						
DILUTION FACTOR:						
SAMPLE LOCATION:						
UNITS:	11/23/87	11/23/87	11/24/87	11/24/87	11/24/87	11/24/87
DATE SAMPLED:						

*** INORGANICS ***

PP	CAS NO	COMPOUND

NO PARAMETERS FOR THIS CATEGORY

14-757-

AR302853

DRANE CHEMICAL SITE - PHASE III RI SOILS - VOA (FS) & PHENOLS

SAMPLE NUMBER:	BCT40-0809	BCT40-1213	BCT44-0002	BCT44-0506	BCT44-1112	BCT45-0002	BCT45-1213
TRAFFIC REPORT NUMBER:							
MOISTURE CORRECTION:							
DILUTION FACTOR:							
SAMPLE LOCATION:							
UNITS:							
DATE SAMPLED:	11/23/87	11/23/87	11/24/87	11/24/87	11/24/87	11/24/87	11/24/87

*** GEOCHEMICAL PARAMETERS ***

PP	CAS NO	COMPOUND
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NO PARAMETERS FOR THIS CATEGORY

AR302854
250

DRAKE CHEMICAL SITE - PHASE III RI SOILS - VOA (FS) & PHENOLS

SAMPLE NUMBER:

TRAFFIC REPORT NUMBER:

MOISTURE CORRECTION:

DILUTION FACTOR:

SAMPLE LOCATION:

UNITS:

DATE SAMPLED:

IR#T45-9511

IR#T46-0002

IR#T46-0709

IR#T47-1011

1.197

1.237

1.219

1.220

IR#T46-1213

IR#T47-0103

1.390

1.208

IR#T47-0809

IR#T47-1011

1.210

T45-C

T46-A

<DL

UG/KG

UG/KG

T46-B

UG/KG

11/24/87

11/25/87

11/25/87

11/25/87

11/25/87

*** VOLATILES ***

W¹ CAS NO COMPOUND

4V	11-41-2	BENZENE	R	<DL.	<DL.	<DL.
86V	108-88-3	TOLUENE	R	21.17	8.93	25.04
3RV	100-41-4	ETHYL BENZENE	R	<DL.	5.09	3.4
7V	108-90-7	CHLOROBENZENE	R	21.06	16.70	27.35
10V	107-06-2	1,2-DICHLOROETHANE	R	8.88	14.93	4.91
87V	79-01-6	TRICHLOROETHENE	R	ND	ND	ND
23V	67-66-3	CHLOROFORM	R	6.00	<DL.	2.1

SAMPLE NUMBER:	IR#T45-9511	IR#T46-0002	IR#T46-0709	IR#T46-1213	IR#T47-0103	IR#T47-0809
TRAFFIC REPORT NUMBER:	1.197	1.237	1.219	1.220	1.390	1.208
MOISTURE CORRECTION:						
DILUTION FACTOR:						
SAMPLE LOCATION:	T45-C	T46-A	T46-B	T46-C	T47-B	T47-C
UNITS:	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG
DATE SAMPLED:	11/24/87	11/25/87	11/25/87	11/25/87	11/25/87	11/25/87

AR302855

H-259

DRAKE CHEMICAL SITE - PHASE III RI SOILS - VOA (FS) & PHENOLS

SAMPLE NUMBER:	DKT45-9511	DKT46-0002	DKT46-0709	DKT46-1213	DKT47-0103	DKT47-0109	DKT47-1011
TRAFFIC REPORT NUMBER:							
MOISTURE CORRECTION:	1.197	1.237	1.219	1.220	1.390	1.208	1.210
DILUTION FACTOR:							
SAMPLE LOCATION:	T45-C UG/KG 11/24/87	T46-A UG/KG 11/25/87	T46-B UG/KG 11/25/87	T46-C UG/KG 11/25/87	T47-A UG/KG 11/25/87	T47-B UG/KG 11/25/87	T47-C UG/KG 11/25/87
UNITS:							
DATE SAMPLED:							

*** BASE/NEUTRALS ***

PP	CAS NO	COMPOUND
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27B	106-46-7	1,4-DICHLOROBENZENE
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R	<DL	<DL	<DL	<DL	<DL
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AR302856

DRAKE CHEMICAL SITE - PHASE III RI SOILS - VOA (FS) & PHENOLS

SAMPLE NUMBER:	BKT45-9511	BKT46-0002	BKT46-0709	BKT46-1213	BKT47-0103	BKT47-0809	BKT47-1011
TRAFFIC REPORT NUMBER:	1.197	1.237	1.219	1.220	1.390	1.208	1.210
MOISTURE CORRECTION:							
DILUTION FACTOR:	T45-C	T46-A	T46-B	T46-C	T47-A	T47-B	T47-C
SAMPLE LOCATION:	UG/KG						
UNITS:	11/24/87		11/25/87		11/25/87	11/25/87	
DATE SAMPLED:							11/25/87

CAS NO	COMPOUND						
65A	108-95-2	PHENOL	ND	ND	ND	ND	ND
34A	105-67-9	2,4-DIMETHYLPHENOL	ND	ND	ND	ND	ND
31A	120-33-2	2,4-DICHLOROPHENOL	ND	ND	ND	ND	ND
59A	51-28-5	2,4-DINITROPHENOL	ND	ND	ND	ND	ND

*** AIDS ***

11-261

AR302857

IRAKE CHEMICAL SITE - PHASE III RI SOILS - VOC (FS) & PHENOLS

SAMPLE NUMBER: IR-T45-9511
TRAFFIC REPORT NUMBER: IR-T46-0002
MOISTURE CORRECTION: 1.237
DILUTION FACTOR: 1.219
SAMPLE LOCATION: T46-C
UNITS: ug/kg
DATE SAMPLED: 11/24/87

SAMPLE NUMBER: IR-T46-0709
TRAFFIC REPORT NUMBER: IR-T46-1213
MOISTURE CORRECTION: 1.220
DILUTION FACTOR: 1.390
SAMPLE LOCATION: T46-B
UNITS: ug/kg
DATE SAMPLED: 11/25/87

*** PESTICIDES ***

PP CAS NO COMPOUND

NO PARAMETERS FOR THIS CATEGORY

AR302858

H-262

BRAKE CHEMICAL SITE - PHASE III RI SOLIDS - VOA (FS) & PHENOLS

SAMPLE NUMBER:	DCT45-9511	DCT46-0002	DCT46-0709	DCT46-1213	DCT47-0103	DCT47-0809	DCT47-1011
TRAFFIC REPORT NUMBER:							
MOISTURE CORRECTION:							
DILUTION FACTOR:							
SAMPLE LOCATION:							
UNITS:	11/24/87	11/25/87	11/25/87	11/25/87	11/25/87	11/25/87	11/25/87
DATE SAMPLED:							

*** INORGANICS ***

PP	CAS NO	COMPOUND

NO PARAMETERS FOR THIS CATEGORY

AR302859

H-263

DRAKE CHEMICAL SITE - PHASE III RI SOILS - VOA (FS) & PHENOLS

SAMPLE NUMBER:	IK-T46-9511	IK-T46-0002	IK-T46-0709	IK-T46-1213	IK-T47-0103	IK-T47-0809	IK-T47-1011
TRAFFIC REPORT NUMBER:							
MISTURE CORRECTION:							
DIUTION FACTOR:							
SAMPLE LOCATION:							
UNITS:							
DATE SAMPLED:	11/24/87	11/25/87	11/25/87	11/25/87	11/25/87	11/25/87	11/25/87

*** GEOCHEMICAL PARAMETERS ***

PP	CAS NO	COMPOUND
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NO PARAMETERS FOR THIS CATEGORY

AR302860

H-264

DRAKE CHEMICAL SITE - PHASE III RI SOILS - VOA (FS) & PHENOLS

SAMPLE NUMBER:	DCT48-0002	DCT48-0809	DCT48-1112	DCT49-0002	DCT49-0910	DCT49-1213	DCT50-0092
TRAFFIC REPORT NUMBER:							
MOISTURE CORRECTION:	1.362	1.246	1.234	1.206	1.204	1.311	1.122
DILUTION FACTOR:							
SAMPLE LOCATION:	T48-A	T48-B	T48-C	T49-A	T49-C	T49-C	T50-A
UNITS:	UG/KG						
DATE SAMPLED:	11/24/87	11/24/87	11/24/87	11/24/87	11/24/87	11/24/87	11/24/87

*** VOLATILES ***

PP	CAS NO	COMPOUND	<DL	<DL	<DL	<DL	<DL
4V	71-43-2	BENZENE	<DL	4.1J	3.6J	4.2J	6.039
86V	108-38-3	TOLUENE	14.804J	ND	ND	ND	9.816J
38V	100-41-4	ETHYLBENZENE	6.760	<DL	<DL	<DL	<DL
7V	108-90-7	CHLOROBENZENE	29.542J	13.301J	10.686	31.241	25.559J
10V	107-06-2	1,2-DIMETHYLBENZENE	7.575	11.877	10.308	5.408	5.745J
H/V	79-01-6	TRICHLOROBENZENE	ND	<DL	ND	ND	ND
24V	67-66-1	CHLOROFORM	<DL	9.914	5.707	ND	7
							5.426

AR302861

H - 265

DRAKE CHEMICAL SITE - PHASE III RI SOILS - VOA (FS) & PHENOLS

SAMPLE NUMBER:	DR-T48-0002	IK-T48-0809	IK-T48-1112	IK-T49-0002	IK-T49-0910	IK-T49-1213	DCT50-0002
TRAFFIC REPORT NUMBER:	1.362	1.246	1.234	1.206	1.204	1.371	1.122
MOISTURE CORRECTION:							
DILUTION FACTOR:	T48-A	T48-B	T48-C	T49-A	T49-C	T49-C	T50-A
SAMPLE LOCATION:	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG
UNITS:	11/24/87	11/24/87	11/24/87	11/24/87	11/24/87	11/24/87	11/24/87
DATE SAMPLED:							

*** BASE/NEUTRALS ***

PP	CAS NO	COMPOUND
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27B	106-46-7	1,4-DICHLOROBENZENE
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ND	<DL	<DL	ND	ND	ND	ND
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11-277

AR302862

DRAKE CHEMICAL SITE - PHASE III RI SOILS - VOA (FS) & PHENOLS

SAMPLE NUMBER:	D-T48-0002	IWT48-0809	IWT48-1112	IWT49-0002	IWT49-0910	IWT49-1213	IWT50-0002
TRAFFIC REPORT NUMBER:	1.362	1.246	1.234	1.206	1.204	1.374	1.422
MOISTURE CORRECTION:							
DILUTION FACTOR:	T48-A	T48-B	T48-C	T49-A	T49-C	T49-C	T50-A
SAMPLE LOCATION:	UG/KG						
UNITS:	11/24/87	11/24/87	11/24/87	11/24/87	11/24/87	11/24/87	11/24/87
DATE SAMPLED:							

*** AIDS ***

PP	CAS NO	COMPOUND
65A	108-95-2	PHENOL
34A	105-67-9	2,4-DIMETHYLPHENOL
31A	120-33-2	2,4-DICHLOROPHENOL
59A	51-28-5	2,4-DINITROPHENOL

AR302863

DRAKE CHEMICAL SITE - PHASE III RI SOILS - VOA (FS) & PHENOLS

SAMPLE NUMBER:	DCT48-0002	DCT48-0869	DCT48-1112	DCT49-0002	DCT49-0910	DCT49-1213	DCT50-0002
TRAFFIC REPORT NUMBER:	1.362	1.246	1.234	1.206	1.204	1.171	1.122
MOISTURE CORRECTION:							
DILUTION FACTOR:							
SAMPLE LOCATION:	T48-A UG/KG 11/24/87	T48-B UG/KG 11/24/87	T48-C UG/KG 11/24/87	T49-A UG/KG 11/24/87	T49-C UG/KG 11/24/87	T49-C UG/KG 11/24/87	T50-A UG/KG 11/24/87
UNITS:							
DATE SAMPLED:							

*** PESTICIDES ***

PP	CAS NO	COMPOUND
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NO PARAMETERS FOR THIS CATEGORY

H-268

AR302864

DRAKE CHEMICAL SITE - PHASE III RI SOILS - WOA (FS) & PHENOLS

SAMPLE NUMBER:	IKT48-0002	IKT48-0009	IKT48-1112	IKT49-0002	IKT49-0910	IKT49-1214	IKT50-0002
TRAFFIC REPORT NUMBER:							
MOISTURE CORRECTION:							
DILUTION FACTOR:							
SAMPLE LOCATION:							
UNITS:							
DATE SAMPLED:	11/24/87	11/24/87	11/24/87	11/24/87	11/24/87	11/24/87	11/24/87

*** INORGANICS ***

PP	CAS NO	COMPOUND
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NO PARAMETERS FOR THIS CATEGORY

AR302865

H-269

DRAKE CHEMICAL SITE - PHASE III RI SOILS - VOA (FS) & PHENOLS

SAMPLE NUMBER:	DCT48-0002	DCT48-0X09	DCT48-1112	DCT49-0002	DCT49-0910	DCT49-1213	DCT50-0002
TRAFFIC REPORT NUMBER:							
MOISTURE CORRECTION:							
DIILUTION FACTOR:							
SAMPLE LOCATION:							
UNITS:	11/24/87	11/24/87	11/24/87	11/24/87	11/24/87	11/24/87	11/24/87
DATE SAMPLED:							

*** GEOCHEMICAL PARAMETERS ***

PP CAS NO COMPOUND

NO PARAMETERS FOR THIS CATEGORY

AR302866

H - 270

DRAKE CHEMICAL SITE - PHASE III RI SOILS - VOA (FS) & PHENOLS

SAMPLE NUMBER:	HC-T50-0809	HW-T50-1213	HW-T51-09012	HW-T51-0910	HW-T51-1213
TRAFFIC REPORT NUMBER:					
MOISTURE CORRECTION:	1.130	1.206	1.189	1.272	1.261
DILUTION FACTOR:					
SAMPLE LOCATION:	T50-B	T50-C	T51-A	T51-C	T51-C
UNITS:	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG
DATE SAMPLED:	11/24/87	11/24/87	11/25/87	11/25/87	11/25/87

*** VOLATILES ***

PP	CAS NO	COMPOUND			
4V	71-43-2	BENZENE	<DL	<DL	<DL
86V	108-88-3	TOLUENE	3.6	7.305J	<DL
38V	100-41-4	ETHYLBENZENE	<DL	<DL	ND
7V	108-90-7	CHLOROBENZENE	19.045	15.917J	<DL
10V	107-06-2	1,2-DICHLOROETHANE	4.1	16.048	3.6J
87V	79-01-6	TRICHLOROETHENE	ND	ND	6.109J
23V	67-66-3	CHLOROFORM	<DL	<DL	ND

AR302867

H-271

DRAKE CHEMICAL SITE - PHASE III RI SOILS - VOA (FS) & PHENOLS

SAMPLE NUMBER:	WT50-0809	WT50-1213	WT51-0002	WT51-0910	WT51-1213
TRAFFIC REPORT NUMBER:	1.130	1.206	1.189	1.272	1.261
MOISTURE CORRECTION:					
DILUTION FACTOR:					
SAMPLE LOCATION:	T50-B	T50-C	T51-A	T51-C	
UNITS:	UG/KG	UG/KG	UG/KG	UG/KG	
DATE SAMPLED:	11/24/87	11/24/87	11/25/87	11/25/87	11/25/87

*** BASE/NEUTRALS ***

PP	CAS NO	COMPOUND
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27B	106-46-7	1,4-DICHLOROBENZENE
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ND	<10.	ND	ND
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14-272

AR302868

DRAKE CHEMICAL SITE - PHASE III RI SOILS - VOA (FS) & PHENOLS

SAMPLE NUMBER:	WT50-0H09	WT50-1213	WT51-0002	WT51-0910	WT51-1214
TRAFFIC REPORT NUMBER:					
MOISTURE CORRECTION:	1.130	1.206	1.189	1.272	1.261
DILUTION FACTOR:					
SAMPLE LOCATION:	T50-B	T50-C	T51-A	T51-C	
UNITS:	UG/KG	UG/KG	UG/KG	UG/KG	
DATE SAMPLED:	11/24/87	11/24/87	11/25/87	11/25/87	11/25/87

*** ACIDS ***

PP	CAS NO	COMPOUND
65A	108-95-2	PHENOL
34A	105-67-9	2,4-DIMETHYLPHENOL
31A	120-33-2	2,4-DICHLOROPHENOL
59A	51-28-5	2,4-DINITROPHENOL

ND	ND	160	ND	170
ND	ND	190	ND	ND
ND	ND	ND	ND	ND
ND	ND	ND	ND	ND

DRAKE CHEMICAL SITE - PHASE III RI SOILS - WOA (FS) & PHENOLS

SAMPLE NUMBER:	DT50-0809	DT50-1213	DT51-0002	DT51-0910	DT51-1213
TRAFFIC REPORT NUMBER:	1.130	1.206	1.189	1.272	1.261
MOISTURE CORRECTION:					
DILUTION FACTOR:					
SAMPLE LOCATION:	T50-B UG/KG 11/24/87	T50-C UG/KG 11/24/87	T51-A UG/KG 11/25/87	T51-C UG/KG 11/25/87	T51-C UG/KG 11/25/87
UNITS:					
DATE SAMPLED:					

*** PESTICIDES ***

PP	CAS NO	COMPOUND
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NO PARAMETERS FOR THIS CATEGORY

H-274

AR302870

DRAKE CHEMICAL SITE - PHASE 111 RI SOLIDS - VOA (HS) & PHENOLS

SAMPLE NUMBER: IKT50-0809 IKT50-1213 IKT51-0002 IKT51-0910 IKT51-1213

TRAFFIC REPORT NUMBER: IKT50-0809 IKT50-1213 IKT51-0002 IKT51-0910 IKT51-1213

MOISTURE CORRECTION: IKT50-0809 IKT50-1213 IKT51-0002 IKT51-0910 IKT51-1213

DILUTION FACTOR: IKT50-0809 IKT50-1213 IKT51-0002 IKT51-0910 IKT51-1213

SAMPLE LOCATION: IKT50-0809 IKT50-1213 IKT51-0002 IKT51-0910 IKT51-1213

UNITS: IKT50-0809 IKT50-1213 IKT51-0002 IKT51-0910 IKT51-1213

DATE SAMPLED: IKT50-0809 IKT50-1213 IKT51-0002 IKT51-0910 IKT51-1213

*** GEOCHEMICAL PARAMETERS ***

PP CAS NO COMPOUND

NO PARAMETERS FOR THIS CATEGORY

AR302871

DRAKE CHEMICAL SITE - PHASE III RI SOILS - VOA (FS) & PHENOLS

SAMPLE NUMBER: IKT50-0H09 IKT50-1213 IKT51-0002 IKT51-0910 IKT51-1213

TRAFFIC REPORT NUMBER:

MOISTURE CORRECTION:

DILUTION FACTOR:

SAMPLE LOCATION:

UNITS:

DATE SAMPLED:

*** INORGANICS ***

PP CAS NO COMPOUND

NO PARAMETERS FOR THIS CATEGORY

AR302872

14-276

DRAKE CHEMICAL SITE - PHASE III RI SOILS - VOA (FSI) & PHENOLS

SAMPLE NUMBER:	DT17-0708	DT17-1112	DT20-0102	DT20-0708	DT20-1213
TRAFFIC REPORT NUMBER:					
MOISTURE CORRECTION:					
DILUTION FACTOR:					
SAMPLE LOCATION:					
UNITS:	11/19/87	11/19/87	11/20/87	11/20/87	11/20/87
DATE SAMPLED:					

*** CHIMICAL PARAMETERS ***

PP	CAS NO	COMPOUND
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NO PARAMETERS FOR THIS CATEGORY

AR302873

H - 277

DRAKE CHEMICAL SITE - PHASE III RI SOILS - VOA (FS) & PHENOLS

*** VOLATILES ***

COMPOUND		
PP	CAS NO.	
		BENZENE
4V	71-43-2	TOLUENE
86V	108-88-3	ETHYLBENZENE
38V	100-41-4	CHLOROBENZENE
7V	108-90-7	1,2-DICHLOROETHANE
11V	107-06-2	TRICHLOROETHANE
7V	79-01-6	CHLOROFORM
23V	67-66-3	

	<DL	<DL	3.4	18.58	<DL	10.33
<DL	1.6J	1.9J	16.68	13.84	3.9	58.47
<DL	ND	ND	1.8	4.8	ND	<DL
<DL	5.1J	6.003J	50.35J	*	15.2J	256
<DL	10.753J	12.467J	33.63J	109.41J	44.1J	19.15
<DL	ND	ND	<DL	ND	ND	ND
<DL	ND	ND	<DL	ND	ND	39.99

201

- H-278

AR302874

DRAKE CHEMICAL SITE - PHASE III RI SOILS - VOA (FS) & PHENOLS

SAMPLE NUMBER:	DCT21-0004	DCT21-0009	DCT21-1213	DCT22-0002	DCT22-0075	DCT22-1213	DCT24-0001
TRAFFIC REPORT NUMBER:	1.236	1.216	1.245	1.110	1.235	1.217	1.527
MOISTURE CORRECTION:							
DILUTION FACTOR:	T21-A	T21-B	T21-C	T22-B	T22-C	T24-A	
SAMPLE LOCATION:	0G/KG						
UNITS:	11/19/87	11/19/87	11/19/87	11/22/87	11/22/87	11/22/87	11/04/87
DATE SAMPLED:							

*** BASE/NEUTRALS ***

PP	CAS NO	COMPOUND
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27B	106-46-7	1,4-DICHLOROBENZENE
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<DL	<DL	9.38J	222J	50.76
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AR302875

H - 270

DRAKE CHEMICAL SITE - PHASE III RI SOILS - VOA (FS) & PHENOLS

SAMPLE NUMBER:	DCT21-0001	DCT21-0009	DCT21-1213	DCT22-0002	DCT22-0675	DCT22-1213	DCT24-0001
TRAFFIC REPORT NUMBER:	1.236	1.216	1.245	1.110	1.235	1.217	1.527
MOISTURE CORRECTION:							
DILUTION FACTOR:							
SAMPLE LOCATION:	T21-A	T21-B	T21-C	T22-A	T22-B	T22-C	T24-A
UNITS:	UG/KG						
DATE SAMPLED:	11/19/87	11/19/87	11/19/87	11/22/87	11/22/87	11/22/87	11/04/87

*** ACIDS ***

PP CAS NO COMPOUND

65A	108-95-2	PHENOL	ND	ND	ND	ND	ND
34A	105-67-9	2,4-DIMETHYLPHENOL	B 300B	ND	ND	ND	ND
31A	120-53-2	2,4-DICHLOROPHENOL	ND	ND	ND	ND	ND
59A	51-24-5	2,4-DINITROPHENOL	ND	ND	ND	ND	940

DRAKE CHEMICAL SITE - PHASE III RI SOILS - VOA (FS) & PHENOLS

SAMPLE NUMBER:	DT21-00101	DT21-0809	DT21-1213	DT22-0002	DT22-0675	DT22-1213	DT24-0001
TRAFFIC REPORT NUMBER:	1.236	1.216	1.245	1.110	1.235	1.217	1.527
MOISTURE CORRECTION:							
DILUTION FACTOR:	T21-A	T21-B	T21-C	T22-A	T22-B	T22-C	T24-A
SAMPLE LOCATION:	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG
UNITS:	11/19/87	11/19/87	11/19/87	11/22/87	11/22/87	11/22/87	11/04/87
DATE SAMPLED:							

*** PESTICIDES ***

PP CAS NO COMPOUND

NO PARAMETERS FOR THIS CATEGORY

BRAKE CHEMICAL SITE - PHASE III RI SOILS - VODA (FS) & PHENOLS

SAMPLE NUMBER: IR1721-00001 MOISTURE CORRECTION: IR1721-00009

MOISTURE CORRECTION: IR1721-00009 DILUTION FACTOR:

DILUTION FACTOR: IR1721-1213 SAMPLE LOCATION:

SAMPLE LOCATION: IR1721-1213 UNITS:

UNITS: IR1722-00002 DATE SAMPLED:

DATE SAMPLED: IR1722-00002 11/19/87

11/19/87 11/19/87 11/19/87 11/22/87

11/22/87 11/22/87 11/22/87 11/04/87

*** INORGANICS ***

PP CAS NO COMPOUND

NO PARAMETERS FOR THIS CATEGORY

14-282

AR302878

DRAKE CHEMICAL SITE - PHASE III RI SOILS - VOA (FS) & PHENOLS

SAMPLE NUMBER:	IWT21-0001	IWT21-0809	IWT21-1213	IWT22-0002	IWT22-0675	IWT22-1213	IWT24-0001
TRAFFIC REPORT NUMBER:							
MOISTURE CORRECTION:							
DILUTION FACTOR:							
SAMPLE LOCATION:							
UNITS:	11/19/87	11/19/87	11/19/87	11/22/87	11/22/87	11/22/87	11/04/87
DATE SAMPLED:							

*** GEOREMICAL PARAMETERS ***

PP	CAS NO	COMPOUND

NO PARAMETERS FOR THIS CATEGORY

AR302879

DRAKE CHEMICAL SITE - PHASE III RI SOILS - VOA (FS) & PHENOLS

SAMPLE NUMBER:	DT24-0445	DT24-0708	DT25-0002	DT25-0445	DT25-0885	DT26-0002	DT26-0002A
TRAFFIC REPORT NUMBER:	1.296	1.116	2.559	1.254	1.590	2.252	2.388
MOISTURE CORRECTION:							
DILUTION FACTOR:	T24-B	T24-B	T25-A	T25-B	T25-C	T26-A	T26-A
SAMPLE LOCATION:	UG/KG						
UNITS:	11/04/87	11/04/87	11/05/87	11/05/87	11/05/87	11/06/87	11/06/87
DATE SAMPLED:							

*** VOLATILES ***

PP	CAS NO	COMPOUND
4V	71-43-2	BENZENE
86V	108-88-3	TOLUENE
38V	100-41-4	ETHYLBENZENE
7V	108-90-7	CHLOROBENZENE
10V	107-06-2	1,2-DICHLOROETHANE
87V	79-01-6	TRICHLOROETHENE
23V	67-66-3	CHLOROFORM

	7.09J	7.79J	<DL	4.7	<DL	<DL
	<DL	2J	6J	3J	332	CDL
	ND	ND	<DL	*	16	ND
	4J	16.17	4J	*	563J	CDL
	13.81	27.61	<DL	9J	88J	<DL
	ND	ND	ND	ND	8.66	4.7
	<DL	3J	5J	23.68	ND	3.0
					5.45	

T-284

AR302880

DRAKE CHEMICAL SITE - PHASE III RI SOILS - VOA (FS) & PHENOLS

SAMPLE NUMBER:	DR-T24-0445	DR-T24-0708	DR-T25-0002	DR-T25-0445	DR-T25-0885	DR-T26-0002	DR-T26-0002A
TRAFFIC REPORT NUMBER:	1.296	1.116	2.559	1.254	1.590	2.252	2.398
MOISTURE CORRECTION:							
DILUTION FACTOR:							
SAMPLE LOCATION:	T24-B	T24-B	T25-A	T25-B	T25-C	T26-A	
UNITS:	UG/KG						
DATE SAMPLED:	11/04/87	11/04/87	11/05/87	11/05/87	11/05/87	11/06/87	11/06/87

*** BASE/NEUTRALS ***

PP	CAS NO	COMPOUND
278	106-46-7	1,4-DICHLOROBENZENE

<101. 14.70J ND 34 915J ND

H-285

AR302681

DRAKE CHEMICAL SITE - PHASE III RI SOILS - VOA (FS) & PHENOLS

SAMPLE NUMBER:	IKT24-0445	IKT24-0708	IKT25-0002	IKT25-0445	IKT25-0885	IKT26-0002	IKT26-0002A
TRAFFIC REPORT NUMBER:	1.296	1.116	2.559	1.254	1.590	2.252	2.388
MOISTURE CORRECTION:							
DILUTION FACTOR:	T24-B	T24-B	T25-A	T25-B	T25-C	T26-A	
SAMPLE LOCATION:	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	
UNITS:	11/04/87	11/04/87	11/05/87	11/05/87	11/05/87	11/06/87	0G/KG
DATE SAMPLED:							11/06/87

*** ACIDS ***

PP	CAS NO	COMPOUND
65A	108-95-2	PHENOL
34A	105-67-9	2,4-DIMETHYLPHENOL
31A	120-33-2	2,4-DICHLOROPHENOL
59A	51-28-5	2,4-DINITROPHENOL

B 380B	ND	B 800B	ND	ND	ND
65	ND	ND	ND	ND	ND
ND	ND	ND	ND	ND	ND
ND	ND	ND	ND	ND	ND
ND	ND	ND	ND	ND	ND

AR302882

H-286

DRANE CHEMICAL SITE - PHASE III RI SOILS - VOA (FS) & PHENOLS

SAMPLE NUMBER:	BCT24-0445	BCT24-0708	BCT25-0002	BCT25-0445	BCT25-0885	BCT26-0002	BCT26-0002A
TRAFFIC REPORT NUMBER:	1.296	1.116	2.569	1.254	1.590	2.252	2.388
MOISTURE CORRECTION:							
DILUTION FACTOR:	T24-B UG/KG 11/04/87	T24-B UG/KG 11/04/87	T25-A UG/KG 11/05/87	T25-B UG/KG 11/05/87	T25-C UG/KG 11/05/87	T26-A UG/KG 11/06/87	T26-A UG/KG 11/06/87
SAMPLE LOCATION:							
UNITS:							
DATE SAMPLED:							

*** PESTICIDES ***

PP	CAS NO	COMPOUND

NO PARAMETERS FOR THIS CATEGORY

H-287

AR302883

DRAKE CHEMICAL SITE - PHASE III RI SOILS - VOA (FS) & PHENOLS

SAMPLE NUMBER:	DKT24-0445	DKT24-0708	DKT25-0002	DKT25-0445	DKT25-08H5	DKT26-0002	DKT26-0002A
TRAFFIC REPORT NUMBER:							
MOISTURE CORRECTION:							
DILUTION FACTOR:							
SAMPLE LOCATION:							
UNITS:	11/04/87	11/04/87	11/05/87	11/05/87	11/05/87	11/06/87	11/06/87
DATE SAMPLED:							

*** INORGANICS ***

PP	CAS NO	COMPOUND
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NO PARAMETERS FOR THIS CATEGORY

DRAKE CHEMICAL SITE - PHASE: III RI SOILS - VOA (ES) & PHENOLS

SAMPLE NUMBER:	DT24-0445	DT24-0708	DT25-0002	DT25-0445	DT25-0885	DT26-0302
TRAFFIC REPORT NUMBER:						DT26-0002A
MOISTURE CORRECTION:						
DILUTION FACTOR:						
SAMPLE LOCATION:						
UNITS:	11/04/87	11/04/87	11/05/87	11/05/87	11/06/87	11/06/87
DATE SAMPLED:						

*** GEOMETRICAL PARAMETERS ***

PP	CAS NO	COMPOUND

NO PARAMETERS FOR THIS CATEGORY

DRAKE CHEMICAL SITE - PHASE III RI SOILS - VOA (FS) & PHENOLS

SAMPLE NUMBER:

TRAFFIC REPORT NUMBER:

MOISTURE CORRECTION:

DILUTION FACTOR:

SAMPLE LOCATION:

UNITS:

DATE SAMPLED:

RT26-0405

RT26-0405A

RT26-1213

RT26-1213A

RT26-0002

RT27-0506

RT26-B

T26-B

RT26-C

T26-C

RT27-B

T27-B

UG/KG

UG/KG

UG/KG

UG/KG

UG/KG

UG/KG

11/06/87

11/06/87

11/06/87

11/06/87

11/05/87

11/05/87

*** VOLATILES ***

PP CAS NO COMPOUND

4V	71-43-2	BENZENE	<DL	<DL	<DL	<DL	2.6
86V	108-08-3	TOLUENE	10.60	5.16	<DL	2.8	4.0
38V	100-41-4	ETHYLBENZENE	4.6	3.3	<DL	ND	<DL
7V	108-90-7	CHLOROBENZENE	64.36	33.69	4.5	6.65	12.58
10V	107-06-2	1,2-DICHLOROETHANE	17.96	7.28	5.13	5.71	2.3
87V	79-01-6	TRICHLOROETHENE	ND	ND	ND	ND	ND
23V	67-66-3	CHLOROFORM	3.3	2.3	<DL	2.3	3.7

AR302886

H-290

DRAKE CHEMICAL SITE - PHASE III RI SOILS - VOA (FS) & PHENOLS

SAMPLE NUMBER:	BKT26-0405	BKT26-0405A	BKT26-1213	BKT26-1213A	BKT27-0002	BKT27-0506	BKT27-12435
TRAFFIC REPORT NUMBER:	1.429	1.329	1.275	1.221	1.693	1.233	1.280
MOISTURE CORRECTION:							
DILUTION FACTOR:	T26-B	T26-B	T26-C	T26-C	T27-A	T27-B	T27-C
SAMPLE LOCATION:	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG
UNITS:	11/06/87	11/06/87	11/06/87	11/06/87	11/05/87	11/05/87	11/06/87
DATE SAMPLED:							

*** BASE/NEUTRALS ***

PP	CAS NO	COMPOUND					
27B	106-46-7	1,4-DICHLOROBENZENE	62.94	18.1	<DL	<DL	<DL

AR302887

DRAKE CHEMICAL SITE - PHASE III RI SOILS - VOA (FS) & PHENOLS

SAMPLE NUMBER:	DCT26-0405	DCT26-0405A	DCT26-1213	DCT26-1213A	DCT27-0002	DCT27-0506	DCT27-12135
TRAFFIC REPORT NUMBER:	1.429	1.329	1.275	1.221	1.693	1.233	1.280
MOISTURE CORRECTION:							
DILUTION FACTOR:							
SAMPLE LOCATION:	T26-B	T26-B	T26-C	T27-A	T27-H	T27-C	
UNITS:	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG
DATE SAMPLED:	11/06/87	11/06/87	11/06/87	11/05/87	11/05/87	11/05/87	11/06/87

*** ACIDS ***

PP	CAS NO	COMPOUND
65A	108-95-2	PHENOL
34A	105-67-9	2,4-DIMETHYLPHENOL
31A	120-33-2	2,4-DICHLOROPHENOL
59A	51-28-5	2,4-DINITROPHENOL

ND	ND	B 62JB	ND	ND	ND	R 92B
ND	ND	ND	ND	ND	ND	ND
ND	ND	ND	ND	ND	ND	ND
ND	ND	100	ND	ND	ND	ND

AR302888

DRAKE CHEMICAL SITE - PHASE III RI SOILS - VOA (FS) & PHENOLS

SAMPLE NUMBER:	IK-T26-0405	IK-T26-0405A	IK-T26-1213	IK-T26-1213A	IK-T27-0002	IK-T27-0506
TRAFFIC REPORT NUMBER:	1.429	1.329	1.275	1.221	1.693	1.213
MOISTURE CORRECTION:						1.280
DILUTION FACTOR:	T26-B	T26-C	T26-C	T27-A	T27-B	
SAMPLE LOCATION:	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	T27-C
UNITS:	11/06/87	11/06/87	11/06/87	11/06/87	11/05/87	UG/KG
DATE SAMPLED:						11/06/87

*** PESTICIDES ***

PP	CAS NO	COMPOUND
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NO PARAMETERS FOR THIS CATEGORY

AR302889